

APPENDIX A –  
PUBLIC NOTIFICATION

Interested persons may submit written comments on the proposed changes (ST0784NI) until 4:30 p.m., June 11, 2007, to Melanie Amrhein, Executive Director, Office of Student Financial Assistance, P.O. Box 91202, Baton Rouge, LA 70821-9202.

George Badge Eldredge  
General Counsel

**FISCAL AND ECONOMIC IMPACT STATEMENT  
FOR ADMINISTRATIVE RULES  
RULE TITLE: START Savings Program  
2006 Interest Rates**

**I. ESTIMATED IMPLEMENTATION COSTS (SAVINGS) TO  
STATE OR LOCAL GOVERNMENTAL UNITS (Summary)**

There are no estimated implementation costs or savings to state or local governmental units as a result of these changes. This amendment reflects the actual earning realized by START account owners who invested in the Louisiana Principal Protection investment option and the actual earnings realized on the investment of Earnings Enhancements. This increase in START funds belongs to the account owner (it is not state general fund money), and no expenditure of state general funds is required. No cost to the state will result from this change.

**II. ESTIMATED EFFECT ON REVENUE COLLECTIONS OF STATE  
OR LOCAL GOVERNMENTAL UNITS (Summary)**

Revenue collections of state and local governments will not be affected by the proposed changes.

**III. ESTIMATED COSTS AND/OR ECONOMIC BENEFITS TO  
DIRECTLY AFFECTED PERSONS OR NONGOVERNMENTAL  
GROUPS (Summary)**

These changes adopt the actual interest rates for deposits made to the START Louisiana Principal Protection investment option and earnings enhancements for the year ending December 31, 2006.

**IV. ESTIMATED EFFECT ON COMPETITION AND EMPLOYMENT  
(Summary)**

There are no anticipated effects on competition and employment resulting from these measurements.

George Eldredge  
General Counsel  
0705#056

H. Gordon Monk  
Legislative Fiscal Officer  
Legislative Fiscal Office

**NOTICE OF INTENT**

**Department of Environmental Quality  
Office of the Secretary  
Legal Affairs Division**

**CAIR NO<sub>x</sub> Annual and Ozone Season Trading Programs  
(LAC 33:III.506)(AQ285)**

Under the authority of the Environmental Quality Act, R.S. 30:2001 et seq., and in accordance with the provisions of the Administrative Procedure Act, R.S. 49:950 et seq., the secretary gives notice that rulemaking procedures have been initiated to amend the Air regulations, LAC 33:III.506 (Log #AQ285).

This proposed rule defines the state's methodology under the Clean Air Interstate Rule (CAIR) Nitrogen Oxide (NO<sub>x</sub>) Annual and Ozone Season Trading Programs for allocating NO<sub>x</sub> allowances to electrical generating units (EGUs) subject to CAIR. Section 51.123 of the federal CAIR allows states some flexibility in implementation of certain rule

provisions related to methods for allocating NO<sub>x</sub> allowances. This rule substitutes for 40 CFR Part 97, Subpart EE (CAIR NO<sub>x</sub> Allowance Allocations), §97.141 and §97.142, and for 40 CFR Part 97, Subpart EEEE (CAIR NO<sub>x</sub> Ozone Season Allowance Allocations), §97.341 and §97.342. This rule is concurrently being proposed as a revision to the Louisiana State Implementation Plan for air quality.

The CAIR was promulgated by the U.S. EPA on May 12, 2005. The federal rule addresses ozone and fine particulate air pollution by regulating emissions of sulfur dioxide (SO<sub>2</sub>) and NO<sub>x</sub> from EGUs in certain states and the District of Columbia. The federal rule establishes a budget cap for each state for emissions of these pollutants and allows for emissions trading. Following promulgation of CAIR in 2005, EPA promulgated a Federal Implementation Plan (FIP) for the rule on April 28, 2006. The FIP, which became effective on June 27, 2006, includes the federal methodology for allocation of NO<sub>x</sub> allowances. The FIP provides states with an option to submit an abbreviated State Implementation Plan (SIP), and some limited flexibility in implementation of certain federal rule provisions related to CAIR. Louisiana will remain under the provisions of the FIP for the CAIR NO<sub>x</sub> annual and ozone season trading programs with the exception of the provisions established in this rule. Should this rule not be promulgated, the state will remain under the allocation method as set forth in the FIP.

To determine the impact of CAIR implementation on Louisiana electricity ratepayers, DEQ requested assistance from the Louisiana Public Service Commission (LPSC). Pursuant to this request, the LPSC contracted for the service of the Louisiana State University Center of Energy Studies. Recommendations concerning the implementation of CAIR in Louisiana were provided to DEQ from the LPSC in the "Staff Report" and "Supplement to Primary Staff Recommendations." The provisions of this rule are consistent with the LPSC recommendations. Upon promulgation, this rule will be submitted to EPA as a revision to the air quality SIP for Louisiana. The submittal of an approvable abbreviated SIP revision for the CAIR NO<sub>x</sub> annual and ozone season trading programs will satisfy Louisiana's obligations under Section 110(a)(2)(D)(i) of the Clean Air Act (CAA). The basis and rationale for this proposed rule are to improve air quality through a reduction of intrastate and interstate emissions of NO<sub>x</sub> from EGUs subject to CAIR.

This proposed rule meets an exception listed in R.S. 30:2019(D)(2) and R.S. 49:953(G)(3); therefore, no report regarding environmental/health benefits and social/economic costs is required. This proposed rule has no known impact on family formation, stability, and autonomy as described in R.S. 49:972.

**Title 33  
ENVIRONMENTAL QUALITY  
Part III. Air**

**Chapter 5. Permit Procedures**

**§506. Clean Air Interstate Rule Requirements**

A. Clean Air Interstate Rule (CAIR) Nitrogen Oxide (NO<sub>x</sub>) Annual Program. This Subsection is adopted in lieu of 40 CFR 97.141 and 97.142 as promulgated under the CAIR Federal Implementation Plan (FIP) NO<sub>x</sub> Annual Trading Program on April 28, 2006, at 71 FR 25328. All provisions of 40 CFR Part 97, Subparts AA – HH, continue to apply,

with the exception of §97.141 (Timing Requirements for CAIR NO<sub>x</sub> Allowance Allocations) and §97.142 (CAIR NO<sub>x</sub> Allowance Allocations). The provisions of this Subsection state how the CAIR NO<sub>x</sub> annual allowances shall be allocated in accordance with this Section and 40 CFR 97.144(a).

1. Definitions. The terms used in Subsection A of this Section have the meaning given to them in the CAIR FIP (40 CFR Part 97 as promulgated on April 28, 2006), except for those terms defined herein:

*Certified Unit or Contract*—an electricity-generating unit or contract that has been certified by the LPSC or approved by a municipal authority but was not in operation on, or approved by, December 31, 2004.

*Department*—the Louisiana Department of Environmental Quality.

*LPSC*—the Louisiana Public Service Commission.

*LPSC or Municipal Certification*—the process under which the LPSC certifies, or the relevant municipal authority approves, an electricity-generating facility and/or all of its component units, additions, and up-rated or re-powered units as being in the public convenience and necessity. This process includes the certification or approval of long-term contracts that dedicate a portion of the electrical output of any generation facility to a utility unit. Long-term contracts are those contracts of at least one year in duration, provided that the municipality or utility unit expects to receive power under the contract within one year of the contract execution.

*Municipal Authority*—a municipal corporation, public power authority, or other political subdivision including, but not limited to, the Louisiana Energy and Power Authority.

*Non-Utility Unit*—an electricity-generating unit that has not been certified by the LPSC or approved by a municipal authority. This includes, but is not limited to, units owned by independent power producers (IPPs) that are the owners or operators of electricity-generating units that produce electricity for sale, and *cogenerators* as defined in 40 CFR Part 97.

*Utility Unit*—a certified unit that is in operation, a previously-operational certified unit, or a non-utility unit that has an effective and active long-term contract with a utility unit. Long-term contracts are those contracts of at least one year in duration, provided that the municipality or utility unit expects to receive power under the contract within one year of the contract execution.

2. Allocation of CAIR NO<sub>x</sub> Annual Allowances. Total NO<sub>x</sub> allowances allocated per control period shall not be in excess of the CAIR NO<sub>x</sub> annual budget as found in 40 CFR 97.140 (35,512 tons per control period from 2009-2014 and 29,593 tons per control period thereafter).

a. Non-Utility Units. For each CAIR non-utility unit, the NO<sub>x</sub> allowances shall be equal to the average of the actual NO<sub>x</sub> annual emissions of the three calendar years immediately preceding the year in which the control period allocations are submitted to the administrator. The actual NO<sub>x</sub> annual emissions as reported in the emission inventory required by LAC 33:III.919 shall be used, except that the allowances submitted in 2007 shall use the actual NO<sub>x</sub> emissions for calendar years 2002, 2003, and 2004. When data is not available in the emission inventory, data reported to the Federal Acid Rain Program shall be used. When actual reported NO<sub>x</sub> annual emissions data are available for only

two of the three calendar years immediately preceding the deadline for submission of the control period allocations, the average of the actual reported NO<sub>x</sub> annual emissions data for those two years shall be used. When actual reported NO<sub>x</sub> annual emissions data are available for only one of the three calendar years, the actual reported NO<sub>x</sub> annual emissions data for that one year shall be used. When no actual reported NO<sub>x</sub> annual emissions data for any of the three calendar years are available, no allocations shall be made under this Paragraph.

b. Certified Units. A certified unit subject to CAIR shall be allocated NO<sub>x</sub> allowances for the control period in which the unit will begin operation, and for each successive control period, for which no NO<sub>x</sub> allowances have been previously allocated until operating data are available for the three calendar years immediately preceding the deadline for submission of the control period allocations. Until a unit has three calendar years of operating data immediately preceding the allocation submittal deadline, the converted heat input as calculated in Clause A.2.b.i or ii of this Section shall be used to allocate allowances for the unit. The certified unit shall be treated as a utility unit for the purposes of this allocation, except that converted heat input shall be used instead of adjusted heat input. Converted heat input is calculated as follows.

i. For a coal-fired unit, the hourly heat input for a specified calendar year shall equal the control period gross electrical output of the generator(s) served by the unit multiplied by 7,900 BTU/KWh and divided by 1,000,000 BTU/MMBTU. The control period gross electrical output as stated in the documentation presented for the LPSC or municipal certification shall be used in this calculation. If a generator is served by two or more units, then the gross electrical output of the generator shall be attributed to each unit in proportion to the unit's share of the total control period heat input of all the units for the year.

ii. For a non-coal-fired unit, the hourly heat input for a specified calendar year shall equal the control period gross electrical output of the generator(s) served by the unit multiplied by 6,675 BTU/KWh and divided by 1,000,000 BTU/MMBTU. The control period gross electrical output as stated in the documentation presented for the LPSC or municipal certification shall be used in this calculation. If a generator is served by two or more units, then the gross electrical output of the generator shall be attributed to each unit in proportion to the unit's share of the total control period heat input of all the units for the year.

c. Utility Units. The department shall allocate CAIR NO<sub>x</sub> allowances to each CAIR utility unit by multiplying the CAIR NO<sub>x</sub> budget for Louisiana (40 CFR 97.140), minus the allowances allocated under Subparagraph A.2.a of this Section, by the ratio of the adjusted baseline heat input of the CAIR utility unit and/or converted heat input of a certified unit to the total amount of adjusted baseline heat input and converted heat input of all CAIR utility units and certified units in the state and rounding to the nearest whole allowance. The adjusted baseline heat input (in MMBTU) used with respect to the CAIR NO<sub>x</sub> annual allowance for each CAIR utility unit shall be established as follows.

i. The average of the unit's control period adjusted heat input for the three calendar years immediately

preceding the deadline for submission of allocations to the administrator shall be used (except that the allocation submitted in 2007 shall use the average of the control period adjusted heat input for calendar years 2002, 2003, and 2004), with the control period adjusted heat input for each year calculated as follows.

(a). If the unit is coal-fired during a year, the unit's control period heat input for that year shall be multiplied by 100 percent.

(b). If the unit is oil-fired during a year, the unit's control period heat input for that year shall be multiplied by 60 percent.

(c). If the unit is not subject to Subclause A.2.c.i.(a) or (b) of this Section, the unit's control period heat input for the year shall be multiplied by 40 percent.

ii. A unit's control period heat input, status as coal-fired or oil-fired, and total tons of NO<sub>x</sub> emissions during a calendar year shall be determined in accordance with 40 CFR Part 97 and reported in accordance with LAC 33:III.919.

### 3. Timing Requirements for CAIR NO<sub>x</sub> Annual Allowance Allocations

a. By April 30, 2007, the department shall submit to the administrator the CAIR NO<sub>x</sub> annual allowance allocations, in a format prescribed by the administrator and in accordance with Paragraph A.2 of this Section, for the control periods in 2009, 2010, and 2011.

b. By October 31, 2008, for the year 2012, and by October 31 of each year thereafter, the department shall submit to the administrator CAIR NO<sub>x</sub> annual allowance allocations, in a format prescribed by the administrator and in accordance with Paragraph A.2 of this Section, for the control period in the fourth year after the year of the applicable deadline for submission under this Section.

B. Clean Air Interstate Rule (CAIR) Nitrogen Oxide (NO<sub>x</sub>) Ozone Season Program. This Subsection is adopted in lieu of 40 CFR 97.341 and 97.342 as promulgated under the CAIR Federal Implementation Plan (FIP) NO<sub>x</sub> Ozone Season Trading Program on April 28, 2006, at 71 FR 25328. All provisions of 40 CFR Part 97, Subparts AAAA – HHHH, continue to apply, with the exception of §97.341 (Timing Requirements for CAIR NO<sub>x</sub> Ozone Season Allowance Allocations) and §97.342 (CAIR NO<sub>x</sub> Ozone Season Allowance Allocations). The provisions of this Subsection state how the CAIR NO<sub>x</sub> ozone season allowances shall be allocated in accordance with this Section and 40 CFR 97.343(a).

1. Definitions. The terms used in Subsection B of this Section have the meaning given to them in the CAIR FIP (40 CFR Part 97 as promulgated on April 28, 2006), and in Paragraph A.1 of this Section.

2. Allocation of CAIR NO<sub>x</sub> Ozone Season Allowances. Total NO<sub>x</sub> ozone season allowances allocated per control period shall not be in excess of the CAIR NO<sub>x</sub> ozone season budget as found in 40 CFR 97.340 (17,085 tons per control period from 2009-2014 and 14,238 tons per control period thereafter).

a. Non-Utility Units. For each CAIR non-utility unit, the NO<sub>x</sub> allowances shall be equal to the average of the actual NO<sub>x</sub> ozone season emissions of the three calendar years immediately preceding the year in which the control period allocations are submitted to the administrator. The

actual NO<sub>x</sub> ozone season emissions as reported in the emission inventory required by LAC 33:III.919 shall be used, except that the allowances submitted in 2007 shall use the actual NO<sub>x</sub> emissions for calendar years 2002, 2003, and 2004 that were reported to the Federal Acid Rain Program. When data is not available in the emission inventory, data reported to the Federal Acid Rain Program shall be used. When actual reported NO<sub>x</sub> ozone season emissions data are available for only two of the three calendar years immediately preceding the deadline for submission of the control period allocations, the average of the actual reported NO<sub>x</sub> ozone season emissions data for those two years shall be used. When actual reported NO<sub>x</sub> ozone season emissions data are available for only one of the three calendar years, the actual reported NO<sub>x</sub> ozone season emissions data for that one year shall be used. When no actual reported NO<sub>x</sub> ozone season emissions data for any of the three calendar years are available, no allocations shall be made under this Paragraph.

b. Certified Units. A certified unit subject to CAIR shall be allocated NO<sub>x</sub> allowances for the ozone season of the control period in which the unit will begin operation, and for each successive ozone season in a control period, for which no NO<sub>x</sub> allowances have been previously allocated until ozone season operating data are available for the three calendar years immediately preceding the deadline for submission of the control period allocations. Until a unit has three years of ozone season operating data preceding the allocation submittal deadline, the converted heat input as calculated in Clause B.2.b.i or ii of this Section shall be used to allocate ozone season allowances for the unit. The certified unit shall be treated as a utility unit for purposes of this allocation, except that ozone season converted heat input shall be used instead of ozone season adjusted heat input. Ozone season converted heat input is calculated as follows.

i. For a coal-fired unit, the hourly heat input for a specified calendar year shall equal the control period gross electrical output of the generator(s) served by the unit multiplied by 7,900 BTU/KWh and divided by 1,000,000 BTU/MMBTU and multiplied by 5/12. The control period gross electrical output as stated in the documentation presented for the LPSC or municipal certification shall be used in this calculation. If a generator is served by two or more units, then the gross electrical output of the generator shall be attributed to each unit in proportion to the unit's share of the total control period heat input of all the units for the year.

ii. For a non-coal-fired unit, the hourly heat input for a specified calendar year shall equal the control period gross electrical output of the generator(s) served by the unit multiplied by 6,675 BTU/KWh and divided by 1,000,000 BTU/MMBTU and multiplied by 5/12. The control period gross electrical output as stated in the documentation presented for the LPSC or municipal certification shall be used in this calculation. If a generator is served by two or more units, then the gross electrical output of the generator shall be attributed to each unit in proportion to the unit's share of the total control period heat input of all the units for the year.

c. Utility Units. The department shall allocate CAIR NO<sub>x</sub> ozone season allowances to each CAIR utility unit by multiplying the CAIR NO<sub>x</sub> ozone season budget for Louisiana (40 CFR 97.340), minus the allowances allocated

under Subparagraph B.2.a of this Section, by the ratio of the ozone season adjusted baseline heat input of the CAIR utility unit and/or converted heat input of a certified unit to the total amount of ozone season adjusted baseline heat input and converted heat input of all CAIR utility units and certified units in the state and rounding to the nearest whole allowance. The ozone season adjusted baseline heat input (in MMBTU) used with respect to the CAIR NO<sub>x</sub> ozone season allowance for each CAIR utility unit shall be established as follows.

i. The average of the unit's control period ozone season adjusted heat input for the three calendar years immediately preceding the deadline for submission of allocations to the administrator shall be used (except that the allocation submitted in 2007 shall use the average of the control period ozone season adjusted heat input for calendar years 2002, 2003, and 2004), with the control period ozone season adjusted heat input for each year calculated as follows.

(a). If the unit is coal-fired during a year, the unit's control period ozone season heat input for that year shall be multiplied by 100 percent.

(b). If the unit is oil-fired during a year, the unit's control period ozone season heat input for that year shall be multiplied by 60 percent.

(c). If the unit is not subject to Subclause B.2.c.i.(a) or (b) of this Section, the unit's control period ozone season heat input for the year shall be multiplied by 40 percent.

ii. A unit's control period ozone season heat input, status as coal-fired or oil-fired, and total tons of NO<sub>x</sub> ozone season emissions during a calendar year shall be determined in accordance with 40 CFR Part 97 and reported in accordance with LAC 33:III.919.

### 3. Timing Requirements for CAIR NO<sub>x</sub> Ozone Season Allowance Allocations

a. By April 30, 2007, the department shall submit to the administrator the CAIR NO<sub>x</sub> ozone season allowance allocations, in a format prescribed by the administrator and in accordance with Paragraph B.2 of this Section, for the control periods in 2009, 2010, and 2011.

b. By October 31, 2008, for the year 2012, and by October 31 of each year thereafter, the department shall submit to the administrator the CAIR NO<sub>x</sub> ozone season allowance allocations, in a format prescribed by the administrator and in accordance with Paragraph B.2 of this Section, for the control period in the fourth year after the year of the applicable deadline for submission under this Section.

C. - E. ...

**AUTHORITY NOTE:** Promulgated in accordance with R.S. 30:2054.

**HISTORICAL NOTE:** Promulgated by the Department of Environmental Quality, Office of the Secretary, Legal Affairs Division, LR 32:1597 (September 2006), amended LR 33:

A public hearing on the proposed rule and SIP revision will be held on June 26, 2007, at 1:30 p.m. in the Galvez Building, Oliver Pollock Conference Room, 602 N. Fifth Street, Baton Rouge, LA 70802. Interested persons are invited to attend and submit oral comments on the proposed rule and SIP revision. Should individuals with a disability need an accommodation in order to participate, contact Judith A. Schuerman, Ph.D., at the address given below or at

(225) 219-3550. Parking in the Galvez Garage is free with a validated parking ticket.

All interested persons are invited to submit written comments on the proposed rule and SIP revision. Persons commenting should reference this proposed regulation by AQ285. Such comments must be received no later than July 3, 2007, at 4:30 p.m., and should be sent to Judith A. Schuerman, Ph.D., Office of the Secretary, Legal Affairs Division, Box 4302, Baton Rouge, LA 70821-4302 or to fax (225) 219-3582 or by e-mail to [judith.schuerman@la.gov](mailto:judith.schuerman@la.gov). Copies of this proposed regulation can be purchased by contacting the DEQ Public Records Center at (225) 219-3168. Check or money order is required in advance for each copy of AQ285. This regulation is available on the Internet at [www.deq.louisiana.gov/portal/tabid/1669/default.aspx](http://www.deq.louisiana.gov/portal/tabid/1669/default.aspx).

This proposed regulation is available for inspection at the following DEQ office locations from 8 a.m. until 4:30 p.m.: 602 N. Fifth Street, Baton Rouge, LA 70802; 1823 Highway 546, West Monroe, LA 71292; State Office Building, 1525 Fairfield Avenue, Shreveport, LA 71101; 1301 Gadwall Street, Lake Charles, LA 70615; 111 New Center Drive, Lafayette, LA 70508; 110 Barataria Street, Lockport, LA 70374; 645 N. Lotus Drive, Suite C, Mandeville, LA 70471.

Herman Robinson, CPM  
Executive Counsel

## FISCAL AND ECONOMIC IMPACT STATEMENT FOR ADMINISTRATIVE RULES

### RULE TITLE: CAIR NO<sub>x</sub> Annual and Ozone Season Trading Programs

#### I. ESTIMATED IMPLEMENTATION COSTS (SAVINGS) TO STATE OR LOCAL GOVERNMENT UNITS (Summary)

Implementation costs or savings are expected to be minimal from promulgation of this rule. Local governments that own municipal electrical generating units (EGUs) may incur increased costs to comply with the federal Clean Air Interstate Rule (CAIR) from purchasing additional emission allowances if needed to operate. State and local governmental units as electrical ratepayers may incur additional minimal costs for electricity.

#### II. ESTIMATED EFFECT ON REVENUE COLLECTIONS OF STATE OR LOCAL GOVERNMENTAL UNITS (Summary)

Impact on revenue collections is estimated to be nil for state or local governmental units that do not own EGUs subject to the federal rule. Impact on revenue collections of local governmental units owning municipal EGUs is expected to be minimal. These local governmental units may pass costs or savings to their electrical ratepayers.

#### III. ESTIMATED COSTS AND/OR ECONOMIC BENEFITS TO DIRECTLY AFFECTED PERSONS OR NONGOVERNMENTAL GROUPS (Summary)

Implementation of this proposed rule is estimated to increase the average ratepayer's annual electrical cost by \$10.11, which represents a savings of \$0.69 annually when compared to the estimated increase in electrical cost under implementation of the federal CAIR rule, which would be an estimated cost to the average ratepayer of \$10.80 per year.

#### IV. ESTIMATED EFFECT ON COMPETITION AND EMPLOYMENT (Summary)

It is anticipated that the allowance allocation method in this proposed rule will gradually cause a change in electrical production from older, inefficient gas-fired units to newer, more efficient facilities. This may result in some minimal impact on employment for workers at gas-fired EGUs.

However, new employment opportunities may arise from the operation of new or replacement EGUs.

Herman Robinson, CPM  
Executive Counsel  
0705#039

Robert E. Hosse  
Staff Director  
Legislative Fiscal Office

## NOTICE OF INTENT

### Department of Environmental Quality Office of the Secretary Legal Affairs Division

Hazardous Waste Corrections  
(LAC 33:V.109, 305, 323, 517, 2309, 3013,  
3719, 4339, 4357, 4501, and 4901)(HW097)

Under the authority of the Environmental Quality Act, R.S. 30:2001 et seq., and in accordance with the provisions of the Administrative Procedure Act, R.S. 49:950 et seq., the secretary gives notice that rulemaking procedures have been initiated to amend the Hazardous Waste regulations, LAC 33:V.109, 305, 323, 517, 2309, 3013, 3719, 4339, 4357, 4501, and 4901 (Log #HW097).

This proposed rule makes minor corrections to several sections of the hazardous waste regulations. The corrections include missing and out-of-place words, incorrect citations, formatting errors, missing capitalizations, and a modified definition. These corrections must be made to ensure the hazardous waste regulations are not misinterpreted. The definition of groundwater is being modified to ensure consistency throughout the Environmental Quality regulations. The basis and rationale for this rule are to ensure the proper management of hazardous waste.

This proposed rule meets an exception listed in R.S. 30:2019(D)(2) and R.S. 49:953(G)(3); therefore, no report regarding environmental/health benefits and social/economic costs is required. This proposed rule has no known impact on family formation, stability, and autonomy as described in R.S. 49:972.

## Title 33

### ENVIRONMENTAL QUALITY

#### Part V. Hazardous Waste and Hazardous Materials

##### Subpart 1. Department of Environmental Quality— Hazardous Waste

#### Chapter 1. General Provisions and Definitions

##### §109. Definitions

For all purposes of these rules and regulations, the terms defined in this Chapter shall have the following meanings, unless the context of use clearly indicates otherwise.

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*Groundwater*—water located beneath the ground surface or below a surface water body in a saturated zone or stratum.

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AUTHORITY NOTE: Promulgated in accordance with R.S. 30:2180 et seq.

HISTORICAL NOTE: Promulgated by the Department of Environmental Quality, Office of Solid and Hazardous Waste, Hazardous Waste Division, LR 10:200 (March 1984), amended LR 10:496 (July 1984), LR 11:1139 (December 1985), LR 12:319 (May 1986), LR 13:84 (February 1987), LR 13:433 (August 1987), LR 13:651 (November 1987), LR 14:790, 791 (November 1988), LR 15:378 (May 1989), LR 15:737 (September 1989), LR 16:218,

220 (March 1990), LR 16:399 (May 1990), LR 16:614 (July 1990), LR 16:683 (August 1990), LR 17:362 (April 1991), LR 17:478 (May 1991), LR 18:723 (July 1992), LR 18:1375 (December 1992), repromulgated by the Office of Solid and Hazardous Waste, Hazardous Waste Division, LR 19:626 (May 1993), amended LR 20:1000 (September 1994), LR 20:1109 (October 1994), LR 21:266 (March 1995), LR 21:944 (September 1995), LR 22:814 (September 1996), LR 23:564 (May 1997), amended by the Office of Waste Services, Hazardous Waste Division, LR 24:655 (April 1998), LR 24:1101 (June 1998), LR 24:1688 (September 1998), LR 25:433 (March 1999), repromulgated LR 25:853 (May 1999), amended by the Office of Environmental Assessment, Environmental Planning Division, LR 26:269 (February 2000), LR 26:2465 (November 2000), LR 27:291 (March 2001), LR 27:708 (May 2001), LR 28:999 (May 2002), LR 28:1191 (June 2002), LR 29:318 (March 2003); amended by the Office of the Secretary, Legal Affairs Division, LR 31:2452 (October 2005), LR 31:3116 (December 2005), LR 32:606 (April 2006), LR 32:822 (May 2006), LR 33:

#### Chapter 3. General Conditions for Treatment, Storage, and Disposal Facility Permits

##### §305. Scope of the Permit

A. - D.2.e. ...

f. submits a complete report within five days of receiving any hazardous waste on an unmanifested basis;

g. complies with all recordkeeping requirements of LAC 33:V.Subpart I; and

D.2.h. - H. ...

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:2180 et seq.

HISTORICAL NOTE: Promulgated by the Department of Environmental Quality, Office of Solid and Hazardous Waste, Hazardous Waste Division, LR 10:200 (March 1984), amended LR 10:496 (July 1984), LR 13:84 (February 1987), LR 13:433 (August 1987), LR 16:220 (March 1990), LR 16:614 (July 1990), LR 17:658 (July 1991), LR 20:1000 (September 1994), LR 20:1109 (October 1994), LR 21:944 (September 1995), LR 23:567 (May 1997), amended by the Office of Waste Services, Hazardous Waste Division, LR 24:1105 (June 1998), LR 24:1690, 1759 (September 1998), LR 25:435 (March 1999), amended by the Office of Environmental Assessment, Environmental Planning Division, LR 27:708 (May 2001), amended by the Office of the Secretary, Legal Affairs Division, LR 31:3116 (December 2005), LR 33:

##### §323. Suspension, Modification or Revocation and Reissuance, and Termination of Permits

A. ...

B. If the administrative authority decides the request is not justified, he or she shall send the requester a brief written response giving a reason for the decision. Denials of requests for modification, revocation and reissuance, or termination are not subject to public notice, comment, or hearings. Denials by the administrative authority may be appealed to the Department of Environmental Quality (DEQ), Legal Affairs Division, in accordance with R.S. 30:2050.21.

1. - 4.e. ...

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:2180 et seq.

HISTORICAL NOTE: Promulgated by the Department of Environmental Quality, Office of Solid and Hazardous Waste, Hazardous Waste Division, LR 10:200 (March 1984), amended LR 14:790 (November 1988), LR 16:220 (March 1990), LR 16:614 (July 1990), LR 18:1256 (November 1992), LR 20:1109 (October 1994), LR 21:944 (September 1995), amended by the Office of Environmental Assessment, Environmental Planning Division, LR 26:2467 (November 2000), amended by the Office of the Secretary, Legal Affairs Division, LR 31:2454 (October 2005), LR 33:

# NOTICE OF INTENT

Department of Environmental Quality  
Office of the Secretary  
Legal Affairs Division  
CAIR NOx Annual and Ozone Season Trading Programs  
(LAC 33:111.506) (AQ285)

Under the authority of the Environmental Quality Act, R.S. 30:2001 et seq., and in accordance with the provisions of the Administrative Procedure Act, R.S. 49:950 et seq., the secretary gives notice that rulemaking procedures have been initiated to amend the Air regulations, LAC 33:111.506 (Log #AQ285).

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## Legals 1000

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## Legals 1000

Herman Robinson,  
CPM

Executive Counsel

Monroe, LA  
May 18, 2007

# CERTIFIED COPY

RECEIVED  
MAY 18 2007  
REGULATORY COMPLIANCE SECTION

## Publisher of

## THE NEWS-STAR MONROE, LOUISIANA PROOF OF PUBLICATION

The hereto attached advertisement

Was published in the NEWS-STAR.

A daily newspaper of general circulation.

Published in Monroe, Louisiana.

Parish of Ouachita in the issues of:

May 18, 2007  
Kennyatt Hule

## LEGAL AD DEPT.

Sworn and subscribed before me by

The person whose signature appears above in Monroe, LA on this

11th day of June 20 07 AD



Steven L. Turner # 43154

## NOTARY PUBLIC

To determine the impact of CAIR implementation on Louisiana electricity ratepayers, DEQ requested assistance from the Louisiana Public Service Commission (LPSC). Pursuant to this request, the LPSC contracted for the service of the Louisiana State University Center of Energy Studies. Recommendations concerning the implementation of CAIR in Louisiana were provided to DEQ from the LPSC in the Staff Report and Supplemental Primary Staff Recommendations. The provisions of this rule are consistent with the LPSC recommendations. Upon promulgation, this rule will be submitted to EPA as a revision to the air quality SIP for Louisiana. The submittal of an approved abbreviated SIP revision for the CAIR NOx annual and ozone season trading programs will satisfy Louisiana's obligations under Section 110(a)(2)(D)(i) of the Clean Air Act (CAA). The basis and rationale for this proposed rule are to improve air quality through a reduction of intrastate and interstate emissions of NOx from EGUs subject to CAIR.

This proposed rule meets an exception listed in R.S. 30:2019(D)(2) and R.S. 49:953(G)(3); therefore, no report regarding environmental/health benefits and social/economic costs is required. This proposed rule has no known impact on family formation, stability, and autonomy as described in R.S. 49:972.

A public hearing on the proposed rule and SIP revision will be held on June 26, 2007, at 1:30 p.m. in the Galvez Building, Oliver Pollock Conference Room, 602 N. Fifth Street, Baton Rouge, LA 70802. Interested persons are invited to attend and submit oral comments on the proposed rule and SIP revision. Should individuals with a disability need an accommodation in order to participate, contact Judith A. Schuerman, Ph.D., at the address given below or at (225) 219-3550. Parking in the Galvez Garage is free with a validated parking ticket.

All interested persons are invited to submit written comments on the proposed rule and SIP revision. Persons commenting should reference this proposed regulation by AQ285. Such comments must be received no later than July 3, 2007, at 4:30 p.m. and should be sent to Judith A. Schuerman, Ph.D., Office of the Secretary, Legal Affairs Division, Box 4302, Baton Rouge, LA 70821-4302 or to fax (225) 219-3582 or by e-mail to [judith.schuerman@la.gov](mailto:judith.schuerman@la.gov). Copies of this proposed regulation can be purchased by contacting the DEQ Public Records Center at (225) 219-3168. Check or money order is required in advance for each copy of AQ285. This regulation is available on the Internet at [www.deq.louisiana.gov/portal/tabid/1669/default.aspx](http://www.deq.louisiana.gov/portal/tabid/1669/default.aspx).

This proposed regulation is available for inspection at the following DEQ office locations from 8 a.m. until 4:30 p.m.: 602 N. Fifth Street, Baton Rouge, LA 70802; 1823 Highway 546, West Monroe, LA 71292; State Office Building, 1525 Fairfield Avenue, Shreveport, LA 71101; 1301 Gadwall Street, Lake Charles, LA 70613; 1111 New Center Drive, Lafayette, LA 70508; 110 Barataria Street, Lockport, LA 70374; 645 N. Lotus Drive, Suite C, Mandeville, LA 70471.



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# The Times

## PROOF OF PUBLICATION

RECEIVED

MAY 16 2007

LDEC/OSEC/LAD  
REGULATION DEVELOPMENT SECTION

### NOTICE OF INTENT

Department of  
Environmental Quality  
Office of the Secretary  
Legal Affairs Division

CAIR NOx Annual and  
Ozone Season Trading  
Programs  
(LAC 33:111.506)  
(AQ285)

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STATE OF LOUISIANA

PARISH OF CADDO

Before me, the undersigned authority, personally came and appeared

Altheas Critton

personally known to me,

Who being duly sworn, deposes and says that she is the Assistant to the Classified Advertising Manager of The Times, and that the attached Advertisement entitled:

NOTICE OF INTENTION (AQ285)

As per copy of advertisement hereto annexed, was published in The Times on the following dates to wit:

May 15, 2007

(Signed)

Altheas Critton

Sworn to and subscribed before me this 15<sup>th</sup> day of May, 2007

Diana W. Barber

DIANA W. BARBER, NOTARY PUBLIC # 60491  
CADDO PARISH, LOUISIANA  
MY COMMISSION IS FOR LIFE

(Notary)



The CAIR was promulgated by the U.S. EPA on May 12, 2005. The federal rule addresses ozone and fine particulate air pollution by regulating emissions of sulfur dioxide (SO<sub>2</sub>) and NO<sub>x</sub> from EGUs in certain states and the District of Columbia. The federal rule establishes a budget cap for each state for emissions of these pollutants and allows for emissions trading. Following promulgation of CAIR in 2005, EPA promulgated a Federal Implementation Plan (FIP) for the rule on April 28, 2006. The FIP, which became effective on June 27, 2006, includes the federal methodology for allocation of NO<sub>x</sub> allowances. The FIP provides states with an option to submit an abbreviated state implementation plan (SIP), and some limited flexibility in implementation of certain federal rule provisions related to CAIR. Louisiana will remain under the provisions of the FIP for the CAIR NO<sub>x</sub> annual and ozone season trading programs with the exception of the provisions established in this rule. Should this rule not be promulgated, the state will remain under the allocation method as set forth in the FIP.

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Herman Robinson,  
CPM  
Executive Counsel

The Times  
May 15, 2007

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Acadiana's Daily Newspaper

## THE ADVERTISER

RECEIVED

MAY 22 2007

REGULATION DEVELOPMENT SECTION

1100 Bertrand Drive  
LAFAYETTE, LA 70506

PHONE: (337) 289-6300  
FAX: (337) 289-6466

### AFFIDAVIT OF PUBLICATION

Remender D. Weatherspoon  
LA Department of Environmental Quality  
OSEC/Legal Affairs Division  
Regulation Development Section  
P. O. Box 4302  
Baton Rouge, LA 70821-4302

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I, ROSE PENFOLD, do solemnly swear that I am the LEGAL CLERK of THE ADVERTISER,  
a newspaper printed and published at Lafayette, in the Parish of Lafayette, State of Louisiana, and  
that from my personal knowledge and reference to the files of said publication, the advertisement of

#### NOTICE OF INTENT

Department of Environmental Quality

Office of the Secretary

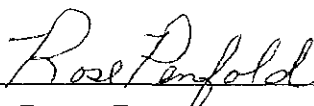
Legal Affairs Division

CAIR NOx Annual and Ozone Season Trading Programs

(LAC 33:III.506) (AQ285)

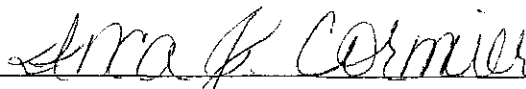
was published in **THE ADVERTISER** on the following dates:

\*Wednesday, May 16, 2007



ROSE PENFOLD  
LEGAL CLERK

Sworn to and subscribed before me this 17th day of May, 2007.



NOTARY PUBLIC - ID#054201

773014  
NOTICE OF INTENT

Department of  
Environmental Quality  
Office of the Secretary  
Legal Affairs Division

CAIR NO<sub>x</sub> Annual and  
Ozone Season Trading  
Programs  
(LAC 33:III.506)  
(AQ285)

Under the authority  
of the Environmental  
Quality Act, R.S.  
30:2001 et seq., and in  
accordance with the  
provisions of the Ad-  
ministrative Procedure

with an option to sub-  
mit an abbreviated  
state implementation  
plan (SIP), and some  
limited flexibility in  
implementation of cer-  
tain federal rule provi-  
sions related to CAIR,  
Louisiana will remain  
under the provisions of  
the FIP for the CAIR  
NO<sub>x</sub> annual and ozone  
season trading pro-  
grams with the excep-  
tion of the provisions  
established in this rule.  
Should this rule not be  
promulgated, the state  
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allocation method as  
set forth in the FIP.

To determine the im-  
pact of CAIR imple-  
mentation on Louisia-  
na electricity  
ratepayers, DEQ re-  
quested assistance  
from the Louisiana  
Public Service Com-  
mission (LPSC). Pur-  
suant to this request,  
the LPSC contracted  
for the service of the  
Louisiana State Uni-  
versity Center of Ener-  
gy Studies. Recom-  
mendations concerning  
the implementation of  
CAIR in Louisiana  
were provided to DEQ  
from the LPSC in the  
"Staff Report" and  
"Supplement to Pri-  
mary Staff Recom-  
mendations." The pro-  
visions of this rule are  
consistent with the  
LPSC recommendations.  
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tion, this rule will be  
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The submittal of an  
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programs will satisfy  
Louisiana's obligations  
under Section  
110(a)(2)(D)(i) of the  
Clean Air Act (CAA).  
The basis and rationale  
for this proposed rule  
are to improve air  
quality through a re-  
duction of intrastate  
and interstate emis-  
sions of NO<sub>x</sub> from  
EGUs subject to CAIR.  
This proposed rule  
meets an exception  
listed in R.S.

30:2019(D)(2) and R.S.  
49:953(G)(3); there-  
fore, no report regard-  
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sons commenting  
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AQ285. Such com-  
ments must be re-  
ceived no later than  
July 3, 2007, at 4:30  
p.m., and should be  
sent to Judith A.  
Schuerman, Ph.D., Of-  
fice of the Secretary,  
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be purchased by con-  
tacting the DEQ Public  
Records Center at  
(225) 219-3168. Check  
or money order is re-  
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tion is available for in-  
spection at the follow-  
ing DEQ office loca-  
tions from 8 a.m. until  
4:30 p.m.: 602 N. Fifth  
Street, Baton Rouge,  
LA 70802; 1823 High-  
way 546, West Monroe,  
LA 71292; State Office  
Building, 1525 Fairfield  
Avenue, Shreveport,  
LA 71101; 1301 Gadwall  
Street, Lake Charles,  
LA 70615; 111 New Cen-  
ter Drive, Lafayette,  
LA 70508; 110  
Barataria Street,  
Lockport, LA 70374; 645  
N. Lotus Drive, Suite  
C, Mandeville, LA  
70471.

Herman Robinson,  
CPM  
Executive Counsel

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MAY 23 2007

DEQ/REG/AD  
REGULATION DEVELOPMENT SECTION

## AFFIDAVIT OF PUBLICATION

( A Correct Copy of Publication )

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Department of  
Environmental Quality  
Office of the Secretary  
Legal Affairs Division

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Ozone Season Trading  
Programs  
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I, Bill Buschmann, Advertising Sales Manager

of THE TOWN TALK, published at Alexandria,

Louisiana do solemnly swear that the

CAIR NOx (AQ285)

advertisement, as per clipping attached, was

published in the regular and entire issue of said

newspaper, and not in any supplement thereof

for one insertion(s) commencing with the issue

dated May 17, 2007 and ending with the

issue dated May 17, 2007.

*Bill Buschmann*

Subscribed and sworn to before me

this 17th day of May, 2007

*[Signature]*  
Notary Number 019888

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HERMAN ROBINSON,  
CPM  
Executive Counsel

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MAY 23 2007

# The Times-Picayune

LDLO/USC/LAD  
REGULATION DEVELOPMENT SECTION

3800 HOWARD AVENUE, NEW ORLEANS, LOUISIANA 70140-1097

TELEPHONE (504) 826-3206

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Department of Environmental  
Quality  
Office of the Secretary  
Legal Affairs Division

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Season Trading Programs  
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This proposed rule meets an exception listed in R.S. 30:2019(D)(2) and R.S. 49:953(G)(3); therefore, no environmental/health benefits and social/economic costs are required. This proposed rule has no known impact on family formation, stability, and autonomy as described in R.S. 49:972.

A public hearing on the proposed rule and SIP revision will be held on June 26, 2007, at 1:30 p.m. in the Galvez Building, Oliver Pollock Conference Room, 602 N. Fifth Street, Baton Rouge, LA 70802. Interested persons are invited to attend and submit oral comments on the proposed rule and SIP revision. Should individuals with a disability need an accommodation in order to participate, contact Judith A. Schuerman, Ph.D., at the address given below or at (225) 219-3550. Parking in the Galvez Garage is free with a validated parking ticket.

All interested persons are invited to submit written comments on the proposed rule and SIP revision. Persons commenting should reference this proposed regulation by AQ285. Such comments must be received no later than July 3, 2007, at 4:30 p.m. and should be sent to Judith A. Schuerman, Ph.D., Office of the Secretary, Legal Affairs Division, Box 4302, Baton Rouge, LA 70821-4302 or to FAX (225) 219-3582 or by e-mail to [judith.schuerman@la.gov](mailto:judith.schuerman@la.gov).

Copies of this proposed regulation can be purchased by contacting the DEQ Public Records Center at (225) 219-3168. Check or money order is required in advance for each copy of AQ285. This regulation is available on the Internet at [www.deq.louisiana.gov/portal/tabid/1669/default.aspx](http://www.deq.louisiana.gov/portal/tabid/1669/default.aspx).

This proposed regulation is available for inspection at the following DEQ office locations from 8 a.m. until 4:30 p.m.: 602 N. Fifth Street, Baton Rouge, LA 70802; 1823 Highway 546, West Monroe, LA 71272; State Office Building, 1525 Fairfield Avenue, Shreveport, LA 71101; 1301 Gadwall Street, Lake Charles, LA 70615; 111 New Center Drive, Lafayette, LA 70508; 110 Barataria Street, Lockport, LA 70374; 645 N. Lotus Drive, Sulley, Mandeville, LA 70471.

Herman Robinson, CPM  
Executive Counsel

State of Louisiana

Parish of Orleans

City of New Orleans

Personally appeared before me, a Notary in and for the parish of Orleans, Robert J. Chiasson who deposes and says that he is the Accounts Receivable Manager, of The Times-Picayune Publishing Corporation, a Louisiana Corporation, Publishers of The Times-Picayune, Daily and Sunday, of general circulation; doing business in the City of New Orleans and the State of Louisiana, and that the attached **LEGAL NOTICE**

Re: Notice of Intent Cair NOx Annual & Ozone Season Trading Program Lac 33:III.506) AQ285

Advertisement of Office of Environmental Quality

P.O. BOX 4302  
Baton Rouge, La. 70821

Was published in The Times Picayune

3800 Howard Ave.  
New Orleans, La. 70125

On the following dates May 18, 2007

Sworn to and subscribed before me this

21st

Day of May, 2007

Notary Public

My commission expires at my death.  
Charles A. Ferguson, Jr.

Notary identification number 23492

COPY

STATE OF LOUISIANA  
DEPARTMENT OF ENVIRONMENTAL QUALITY

IN RE:

CAIR NO<sub>x</sub> ANNUAL AND OZONE SEASON TRADING  
PROGRAMS  
LAC 33:III.506

LOG #: AQ285

PUBLIC HEARING

The Public Hearing held by the Department of Environmental Quality, Regulation Development Section, at the Galvez Building, Oliver Pollock Conference Room, 602 N. Fifth Street, Baton Rouge, Louisiana, beginning at 1:40 p.m., on June 26, 2007.

**BEFORE:** Lori B. Overland  
Certified Court Reporter  
In and For the State of  
Louisiana

**ASSOCIATED REPORTERS, INC.**  
(225) 216-2036

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**JUL 05 2007**

LDEQ/OSEC/LAD  
REGULATION DEVELOPMENT SECTION



A P P E A R A N C E S

**FOR THE LOUISIANA DEPARTMENT OF ENVIRONMENTAL  
QUALITY:**

Sandy Stephens  
Hearing Officer

Department of Environmental Quality  
Legal Affairs Division, 8th Floor  
Regulation Development  
602 N. Fifth Street  
Baton Rouge, Louisiana 70802

\* \* \* \* \*

I N D E X

EXAMINATION:

PAGE(S):

None

EXHIBITS:

None

REPORTER'S PAGE

8

REPORTER'S CERTIFICATE

9

\* \* \* \* \*

\* \* \* \* \*

**MS. STEPHENS:**

Good Afternoon! My name is Sandy Stephens and I'm employed with the Louisiana Department of Environmental Quality. I'll be serving as hearing officer this afternoon to receive comments regarding proposed amendments to the air quality State Implementation Plan, and to the Air, Hazardous Waste, and Office of the Secretary regulations.

The comment period for these amendments began on May 20, 2007, when the notices of intent were published in the Louisiana Register. The comment period will close at 4:30 p.m., July 3, 2007. It would be helpful to us if all oral comments received today were followed up in writing.

This public hearing provides a forum for all interested parties to present comments on the proposed changes. This hearing is not being conducted in a question and answer format. Please remember that the purpose of this public hearing is to allow you, the public, an opportunity to express

1           your thoughts concerning today's proposed  
2           amendments.

3                 I'll ask that each person commenting  
4           come up and sit at the front table and begin  
5           by stating his or her name and affiliation  
6           for the record.

7                 The third item is designated by the  
8           Log Number AQ285.

9                 This proposed rule defines the state's  
10          methodology under the Clean Air Interstate  
11          Rule (CAIR) Nitrogen Oxide Annual and Ozone  
12          Season Trading Programs for allocating NOx  
13          allowances to electrical generating units  
14          (EGUs) subject to CAIR. Section 51.123 of  
15          the federal CAIR allows states some  
16          flexibility in implementation of certain  
17          rule provisions related to methods for  
18          allocating NOx allowances.

19                This rule will substitute for 40 CFR  
20          Part 97, Subpart EE, CAIR NOx Allowance  
21          Allocations, Sections 97.141 and 97.142, and  
22          for 40 CFR Part 97, Subpart EEEE, CAIR NOx  
23          Ozone Season Allowance Allocations, Sections  
24          97.341 and 97.342. AQ285 is concurrently  
25          being proposed as a revision to the

1 Louisiana SIP for air quality.

2 CAIR was promulgated by the U.S. EPA

3 on May 12, 2005. It addresses ozone and

4 fine particulate air pollution by regulating

5 emissions of sulfur dioxide (SO<sub>2</sub>) and NO<sub>x</sub>,

6 from EGUs in certain states and the District

7 of Columbia. The federal rule establishes a

8 budget cap for each state for emissions of

9 these pollutants and allows for emissions

10 trading. Following promulgation of CAIR in

11 2005, EPA promulgated a Federal

12 Implementation Plan (FIP)-on April 28, 2006.

13 The FIP, which became effective on June 27,

14 2006, includes the federal methodology for

15 allocation of NO<sub>x</sub> allowances. The FIP

16 provides states with an option to submit a

17 SIP, and some limited flexibility in

18 implementation of certain federal rule

19 provisions related to CAIR. Louisiana will

20 remain under the provisions of the FIP for

21 the CAIR NO<sub>x</sub> annual and ozone season trading

22 programs with the exception of the

23 provisions established in this rule. Should

24 this rule not be promulgated, the state will

25 remain under the allocation method as set

1           forth in the FIP. To determine the impact  
2           of CAIR implementation on Louisiana  
3           electricity ratepayers, DEQ requested  
4           assistance from the Louisiana Public Service  
5           commission, which contracted for the  
6           services of the LSU Center of Energy  
7           Studies. The provisions of this rule are  
8           consistent with the Public Service  
9           commission recommendations. Upon  
10          promulgation, this rule will be submitted to  
11          EPA as a revision to the air quality SIP for  
12          Louisiana. The submittal of an approvable  
13          abbreviated SIP revision for the CAIR NOx  
14          annual and ozone season trading programs  
15          will satisfy Louisiana's obligations under  
16          Section 110(a)(2)(D)(I) of the Clean Air  
17          Act.

18                 Does anyone care to comment on this  
19          regulation?

20                 If not, the hearing on AQ285 is  
21          closed.

22                 Thank you for your attention and  
23          participation.

24                 This hearing is closed.

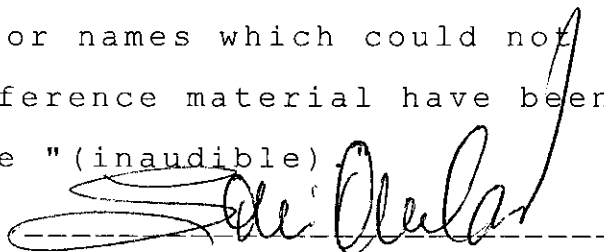
25                 **THE HEARING CONCLUDED AT 1:43 P.M.**

R E P O R T E R ' S P A G E

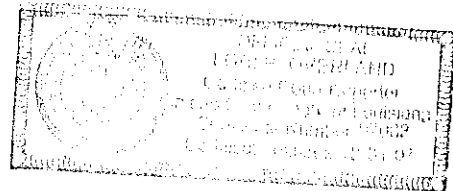
I, Lori B. Overland, Certified Court Reporter, in and for the State of Louisiana, the officer, as defined in Rule 28 of the Federal Rules of Civil Procedure and/or Article 1434(b) of the Louisiana code of Civil Procedure, before whom this sworn testimony was taken, do hereby state on the Record

That due to the interaction in the spontaneous discourse of this proceeding, dashes (--) have been used to indicate pauses, changes in thought, and/or talk overs; that same is the proper method for a Court Reporters's transcription of proceeding, and that the dashes (--) do not indicated that words or phrases have been left out of this transcript;

That any words and/or names which could not be verified through reference material have been denoted with the phrase "(inaudible)".

  
Lori Overland, C.C.R.

# 97083

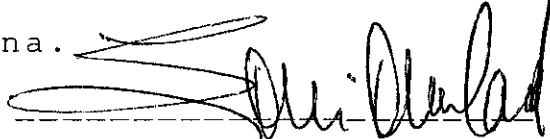


C E R T I F I C A T I O N

I, the undersigned reporter, do hereby certify that the above and foregoing is a true and correct transcription of the stenomask tape of the proceedings had herein, taken down by me and transcribed under my supervision, to the best of my ability and understanding, at the time and place hereinbefore noted, in the above entitled cause.

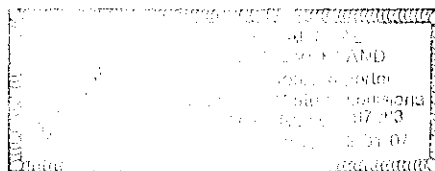
I further certify that the witness was duly sworn by me in my capacity as a Certified Court Reporter pursuant to the provisions of R.S. 37:2551 et seq. in and for the state of Louisiana; that I am not of counsel nor related to any of the counsel of any of the parties, nor in the employ of any of the parties, and that I have no interest in the outcome of this action.

I further certify that my license is in good standing as a court reporter in and for the state of Louisiana.



Lori Overland, C.C.R.

# 97083





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**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**

REGION 6

1445 ROSS AVENUE, SUITE 1200  
DALLAS, TX 75202-2733

**JUN 28 2007**

Judith A. Schuerman, Ph.D.  
Office of the Secretary  
Legal Affairs Division  
Louisiana Department of Environmental Quality  
P.O. Box 4302  
Baton Rouge, LA 70821-4302

RE: Comments on Louisiana's Proposed Revision to the State Implementation Plan for the Clean Air Interstate Rule (CAIR) Nitrogen Oxide (NO<sub>x</sub>) Annual and Ozone Season Trading Programs

Dear Dr. Schuerman:

Thank you for the opportunity to review the proposed changes to the State Implementation Plan and the Louisiana Administrative Code (LAC) 33:III.506. The proposed action sets forth how the Louisiana Department of Environmental Quality (LDEQ) proposes to meet the emissions allowance allocation budgets requirements for annual and ozone season NO<sub>x</sub> established in the U.S. Environmental Protection Agency's (EPA) final rule entitled "Rule to Reduce Interstate Transport of Fine Particulate Matter and Ozone (Clean Air Interstate Rule); Revisions to Acid Rain Program; Revisions to the NO<sub>x</sub> SIP Call" of May 12, 2005 (70 Federal Register (FR) 25162), and revised as of December 13, 2006, in our final rule entitled "Clean Air Interstate Rule (CAIR) and Federal Implementation Plans for CAIR; Corrections" (71 FR 74792). We greatly appreciate the time and attention your staff has devoted to processing this proposed rulemaking and your willingness to consult Region 6 during the rule development.

Based on our review of the proposed SIP revision and regulations, we would like to submit the following comments for your consideration.

1. On page 2 of the proposed SIP revision, the second paragraph of Section 1.1 refers to the abbreviated SIP option to meet CAIR requirements. Please update this discussion to reflect that the abbreviated SIP is provided

for at 40 Code of Federal Regulations (CFR) 51.123(p) for the NO<sub>x</sub> annual program and at 40 CFR 51.123(ee) for the NO<sub>x</sub> ozone season program. This same update should be made on page 5, Section 2.2.

2. The definitions of "Non-Utility Unit" and "Utility Unit" at LAC 33:III.506(A)(1) appear to create the possibility that a unit could be defined as both a "non-utility unit" and "utility unit" if a unit is not Louisiana Public Service Commission (LPSC) certified or municipally approved and has an "effective and active" long-term contract with a utility unit. In order to clarify that a unit cannot be both a non-utility unit and utility unit, EPA recommends that LDEQ add, at the end of the first sentence of the definition for "non-utility unit" the phrase "and that does not have an effective and active long-term contract with a utility unit." This will clarify that a unit cannot receive allocations both under the non-utility and utility unit allocation provisions. In addition, the reference to "cogenerators as defined in 40 CFR Part 97" should be changed to refer to "cogeneration units as defined in 40 CFR Part 97". Part 97 defines the term "cogeneration unit", but not the term "cogenerator". The recommended revisions to the "Non-Utility Unit" definition would read as follows:

*Non-Utility Unit* – an electricity-generating unit that has not been certified by the LPSC or approved by a municipal authority, and that does not have an effective and active long-term contract with a utility unit. This includes, but is not limited to, units owned by independent power producers (IPPs) that are the owners or operators of electricity-generating units that produce electricity for sale, and *cogeneration units* as defined in 40 CFR Part 97.

Thank you for the opportunity to provide comments. Please note that these comments do not constitute final determinations concerning approvability of the Louisiana CAIR NO<sub>x</sub> Annual and Ozone Season Trading Programs SIP revision. We look forward to working with LDEQ as you move forward in responding to these comments and finalizing the Louisiana CAIR SIP. If you have any questions, please call Ms. Adina Wiley of my staff at (214) 665-2115.

Sincerely yours,



Jeff Robinson  
Chief  
Air Permits Section



RECEIVED

JUL 03 2007

## PPG Industries, Inc.

Chemicals Post Office Box 1000 Lake Charles, Louisiana 70602-1000 USA  
1300 PPG Drive Lake Charles, LA 70601

LDEQ/OSEC/LAD  
REGULATION DEVELOPMENT SECTION

for 7/3/07

July 2, 2007

Ms. Judith A. Schuerman, Ph.D.  
Department of Environmental Quality  
Office of the Secretary  
Legal Affairs Division  
P.O. Box 4302  
Baton Rouge, Louisiana 70821-4302

VIA EMAIL AND MAIL

RE: Comments of PPG Industries, Inc.  
CAIR NOx Trading Program  
Log No. AQ285

Dear Dr. Schuerman:

PPG Industries, Inc. ("PPG") appreciates the opportunity to comment on the proposal by the Louisiana Department of Environmental Quality ("LDEQ") for rules to implement the Clean Air Interstate Rule ("CAIR") NOx Trading Program in Louisiana. (Log No. AQ285). PPG is attaching its comments on the proposed rules and requests that they be placed in the administrative record of this proceeding for consideration by LDEQ prior to any final rulemaking.

Pursuant to La. R.S. 49:953(A)(2)(b), PPG requests that LDEQ issue a concise statement of the principal reasons for and against the adoption of any modifications or changes suggested in written or oral comments made to LDEQ in connection with Log No. AQ285. In addition, PPG requests that, prior to any legislative oversight hearings, LDEQ provide PPG with a complete draft of all proposed technical changes to LAC 33:III.506, if any technical changes are proposed.

Again, PPG appreciates the opportunity to comment on these proposals. Should you have any questions regarding our comments, please contact Don Johnson of our Environmental Department at (337) 708-4789 or donjohnson@ppg.com. Thank you for your assistance and attention to our comments.

Sincerely,

Brian K. Comeaux, Superintendent, Power

cc: Darlene Doshier-Collard, LDEQ

**COMMENTS OF PPG INDUSTRIES, INC.****ON****PROPOSED RULE Log No. AQ285****CAIR NOX TRADING PROGRAMS****I. Background**

PPG Industries, Inc. ("PPG") appreciates the opportunity to submit comments on proposed rule Log No. AQ285, the draft Clean Air Interstate Rule ("CAIR") Nitrogen Oxides ("NOx") Trading Program that was repropose by the Louisiana Department of Environmental Quality ("LDEQ") following LDEQ's withdrawal of the initial CAIR NOx trading program rule that was proposed under Log No. AQ261. PPG appreciates the revisions that the LDEQ made in this reproposal that addressed some of PPG's comments on Log No. AQ261. However, PPG wants to reiterate in these comments that LDEQ incorrectly calculated the NOx allocations for the two R. S. Cogen units that PPG operates at PPG's Lake Charles facility. PPG requests that LDEQ revise the allocations provided to EPA as discussed in the following comments.

PPG is a 50% partner in R.S. Cogen, LLC, a corporation that owns two natural gas fired cogeneration units located at the PPG Industries, Inc. manufacturing facility in Lake Charles, Louisiana. The units are owned by R.S. Cogen, L.L.C., which is a joint venture owned by both PPG Industries, Inc. and Entergy Power R.S. Corp (a non-LPSC regulated subsidiary of Entergy Corp.). The units are operated by PPG Industries, Inc. The two units received a PSD permit in 2000 and were completed in the second quarter of 2002. They commenced operation in May 2002. NOx emissions from the two units are controlled by dry low NOx burners, and by a selective catalytic reduction system, when necessary. The units operate efficiently to produce electrical power with very low NOx emissions. In fact, the average NOx emissions are only about 0.05 lb/MMBtu. First fire of R.S. Cogen Unit No. 5 occurred on May 10, 2002 and first fire of R.S. Cogen Unit No. 6 occurred on May 1, 2002. Both units are subject to the Clean Air Act Acid Rain rules in 4 C.F.R. Part 75 and LAC 33:III.505.

The R.S. Cogen, L.L.C. facility is not regulated by the Louisiana Public Service Commission. On April 21, 1999, the LPSC found that the terms and structure of the Project owned by R.S. Cogen, L.L.C. would not result in PPG, RS Cogen, or Entergy Power R.S. Corporation being classified as an electric public utility or public utility under state law. (Order No. U-24037,)

**II. The Proposed Allocations Shown in LDEQ's Table for the R. S. Cogen Units Do Not Match the Proposed Regulatory Language and Should Be Corrected.**

In the most recent allocations provided on LDEQ's CAIR home page, and as shown on Exhibit 1, attached, the proposed annual and ozone season allocations for the R. S. Cogen units are incorrect as they do not reflect the correct average actual NOx emissions from the two units during calendar years 2003 and 2004. PPG believes that, contrary to the actual language of

available for only one of the three calendar years, the actual annual reported NO<sub>x</sub> emission data for that one year shall be used.

PPG requests that LDEQ provide in the Response to Comments a clarification of this language stating that when the rule speaks of data available for a calendar year, that means data must have been available for the entire calendar year, such that a partial year of operation of a new facility does not skew the results of the average. In the alternative, PPG requests that LDEQ provide a technical amendment to the proposed rule to add the following sentence to the end of Section 506.A.2.a:

If the facility commenced initial operation during the three calendar year period, the initial partial year of operation shall not be considered in the averaging process, unless such partial calendar year of operation is the only data available for the three year period, in which case, such data shall be annualized.

A similar amendment should be provided for ozone season allocations by adding the following sentence to the end of Section 506.B.2.a.

If the facility commenced initial operation during the ozone season of one of the three calendar years in this period, the partial ozone season of operation shall not be considered in the averaging process, unless such initial commencement of operation occurred during the ozone season of the last calendar year of the three year period, in which case, the actual emissions during such ozone season shall be used.

In the further alternative, PPG requests that allocations be based solely on 2004 data, as was recommended by the LPSC in its report to LDEQ.

One of these three options (i.e., clarify the rule, make a technical amendment, or amend the rule to use only 2004 data) is necessary to make the proposed rule consistent with the LPSC Staff Report and Supplement to the Primary Recommendations.<sup>2</sup> The LPSC report recommended use of 2004 data because "using the most recent data reflects the considerable changes in power generation in the state." (Staff Report, page 22 of 34). Further, much of the LPSC report was devoted to leveling the playing field for new units, such as PPG's, that have come on line since 2001. The report recommended against EPA's model approach which allocated new units only 5% of the total state allocation. The LPSC indicated that 25% of Louisiana's generation has come on line since 2001 and would have to compete for this very small pool of new growth set-aside allowances. LPSC recognized that these new generators are more efficient and less polluting, so it was unfair to penalize them. (See pp. 14 of 34 and 22 of 34)

Pages 6 and 7 of the LPSC Staff Report contain tables showing that the average NO<sub>x</sub> emissions statewide must be 1.85 lbs/MWh in order to achieve the total NO<sub>x</sub> allocated to the state. These tables show that PPG's R.S. Cogen units are only emitting approximately 0.6 lbs/MWh, which is less than 1/3<sup>rd</sup> of the target average for the state. The R.S. Cogen units are clearly among the most efficient generating units in the state. The LPSC report recommended full NO<sub>x</sub> allocations for newer gas fired generation units, including the R.S. Cogen unit, based on 2004 fuel use. The LPSC stated

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<sup>2</sup> PPG requests that the LPSC Staff Report and Supplement to the Primary Recommendations be made a part of the administrative record in this rulemaking process.

proposed rule AQ285, that LDEQ averaged the emissions from 2002, a partial year of operation, when developing the allocations. In the alternative, PPG requests that the language of the proposed rule be amended to clarify that when an entire year of actual emissions data is not available because the facility is new and operated only a portion of the year, during the 2002-2004 baseline period, that only years with a full calendar year of data should be used for the average.

This issue is of extreme importance to PPG. Although R.S. Cogen's NOx emissions are among the lowest in the state and although its energy is produced in the most efficient way, LDEQ has failed to provide R.S. Cogen with sufficient NOx allocations to cover normal annual emissions. This failure will cost R.S. Cogen an estimated \$400,000 to \$1.2 million annually during the 2009-2011 time period. Such treatment is arbitrary and capricious, constitutes an illegal tax, and is contrary to the recommendations in the Louisiana Public Service Commission report that LDEQ has stated is the basis for this rulemaking.<sup>1</sup>

The LDEQ proposed allocations shown in Exhibit 1 provide as follows for the R.S. Cogen Units:

Unit	2002-2004 Average	Proposed Allocation (Annual)	Seasonal Average	Proposed Allocation (Seasonal)
R.S. Cogen Unit 5	265	265	111	111
R.S. Cogen Unit 6	268	268	109	109
<b>Total</b>		<b>533</b>		<b>220</b>

PPG believes that these allocations inappropriately included 2002 data, a partial year of operation, in the average. These proposed allocations should be recalculated based upon the average of only 2003 and 2004 emissions, without inclusion of the partial first year of operation in 2002.

The R.S. Cogen Units are non-utility units. The proposed language in AQ285 (Section 506.A.2.a. provides the following with respect to the allocation methodology for annual NOx allocations from non-utility units (in part) :

When actual reported NOx annual emissions data are available for only two of the three calendar years immediately preceding the deadline for submission of the control period allocations, the average of the actual reported NOx annual emission data for those two years shall be used. When actual reported NOx annual emission data are

<sup>1</sup> The Preamble to the proposed rule indicates that LDEQ requested input from the LPSC concerning implementation of the CAIR rule and that the LPSC further retained the LSU Center for Energy Studies to prepare a report and recommendations. The Preamble states: "Recommendations concerning the implementation of CAIR in Louisiana were provided to DEQ from the LPSC in the "Staff Report" and "Supplement to Primary Recommendations. The provisions of this rule are consistent with the LPSC recommendations."



this recommendation "will not penalize new units that have made considerable investments in low emissions technologies and have limited opportunities available to reduce emissions further since most already enjoy the best available technologies."

PPG's two R.S. Cogen units are exactly in this position. PPG made considerable expenditures to install new, efficient, and low NOx generating power. If LDEQ does not provide full allocations for the R.S Cogen units, it is arbitrarily and capriciously treating such units differently than the other new cogeneration units that have come on-line since 2001. This problem can easily be rectified by simply using 2004 data alone, or by only using data representative of a full years of operation, such as 2003-2004 were for the R.S. Cogen units.

If LDEQ includes the 2002 partial year of data in establishing the allocations for the R.S. Cogen units, it will clearly be frustrating the recommendations of the LSU Center for Energy Studies and the LPSC. Because both of the PPG units experienced first fire in May 2002, and did not operate for all of 2002, it is clear that 2002 does not adequately represent the facility's normal calendar year emissions. Calendar years 2003 and 2004 are representative of the normal operation of the two units. Any allocation that treats a partial year of operation as a representative year is arbitrary and capricious in the face of the 2003 and 2004 data which clearly are representative of normal operation. This is not a situation where LDEQ lacks sufficient data concerning what is a normal calendar year.

PPG has recalculated the allowances it should be provided under the clarifications and/or amendments to LAC 33:III.506 as discussed above. The actual NOx emissions, as reported to EPA through the Acid Rain program for these two units, were used by PPG in the following analysis.<sup>3</sup> The final allocations should be adjusted accordingly pursuant to the language of proposed LAC 33:III.506.A.2.a. and 506.B.2.a.:

Unit	2003-2004 Average	Annual Allocation	Seasonal Average <sup>4</sup>	Seasonal Allocation
R.S. Cogen Unit 5	372.1	372	157.2	157

<sup>3</sup> The data indicated that Unit 5 emitted 151.2 TPY in the 2003 ozone season and 163.2 in the 2004 ozone season, for an average of 157.2. Unit 6 emitted 150.7 TPY in the 2003 ozone season and 166.2 in the 2004 ozone season, for an average of 158.5. With respect to annual emissions, Unit 5 emitted 357.9 TPY in 2003 and 386.3 in 2004 for an average of 372.1. With respect to annual emissions, Unit 6 emitted 355.5 TPY in 2003 and 379.4 in 2004 for an average of 367.5. The data is available at EPA's Acid Rain emissions website:

[http://cfpub.epa.gov/gdm/index.cfm?fuseaction=whereyoulive.state&displaymode=view&programYearS\\_election=none&prg\\_code=ARP&Year=2003&state=LA](http://cfpub.epa.gov/gdm/index.cfm?fuseaction=whereyoulive.state&displaymode=view&programYearS_election=none&prg_code=ARP&Year=2003&state=LA). A copy of this data has been printed and is attached to these comments as Exhibit 2.

<sup>4</sup> Unit 5 commenced operations on May 10, 2002 and Unit 6 commenced operations on May 1, 2002; however both units were undergoing shakedown for several more months. Unit 5 clearly did not operate the entire 2002 ozone season, so only 2003 and 2004 ozone season emissions should be used in the averaging period. Unit 6 had first fire on May 1, but was undergoing shakedown and testing and did not operate during the entire 2002 ozone season. For this reason, the ozone season NOx emissions from Unit No. 6 should not include the 2002 season.

R.S. Cogen Unit 6	367.5	368	158.5	159
Total		740 <sup>5</sup>		316

It should be noted that the LPSC proposal would have allocated RS Cogen a total of 1,174 TPY NO<sub>x</sub> for the annual allocations, versus the 740 TPY requested here by PPG (and compared to the 533 TPY proposed by LDEQ). (Staff Report, p. 15 of 34). That is because LPSC favored use of 2004 data only, coupled with a standard NO<sub>x</sub> factor for gas-fired sources. Under this approach, PPG/R.S. Cogen would have extra allocations to sell on the market, or to use if PPG ran the R.S. Cogen units at higher rates than the 2004 rates. PPG is not requesting this much, but only that full allocations be made to cover the normal annual emissions from the facilities consistent with the 2003-2004 average, or the 2004 year alone.

Any other approach would, in effect, require PPG to subsidize older, less efficient generation in the state. PPG believes that such would amount to an illegal tax on PPG and R.S. Cogen LLC. PPG's NO<sub>x</sub> emissions are already well below the Louisiana average in terms of pounds of NO<sub>x</sub> emitted per megawatt hours generated (See p. 6 and 7 of LPSC Staff Report). Further, under CAIR, EPA was targeting affected facilities to achieve NO<sub>x</sub> emissions of 0.15 lb/MMBtu in Phase I and 0.125 lb/MMBtu in Phase II. PPG's R. S. Cogen units each emit an average of 0.05 lbs/NO<sub>x</sub>/MMBtu. Thus, they are already controlled to levels well below that which EPA is trying to achieve. By including PPG's R.S. Cogen units in CAIR, EPA is in fact simply requiring PPG to pay to subsidize other facilities required NO<sub>x</sub> reductions. LDEQ has the opportunity to avoid this result by providing the R.S. Cogen units with sufficient NO<sub>x</sub> allocations to cover their normal annual emissions.

In effect, by not providing sufficient allowances to R.S. Cogen, the company would be forced to pay for credits just to operate at normal 2003 and 2004 rates, even though its emissions are already very low. R.S. Cogen and its owners, including PPG, would in effect be forced to pay for NO<sub>x</sub> reductions at the older, more polluting, less efficient units. This is clearly a tax. And, it is a big tax. The shortfall for the R.S. Cogen units (difference between LDEQ proposal and 2003/2004 average) is 207 TPY for annual allocations and 96 TPY for ozone season allocations. At the LPSC estimate of \$1,500 per ton, the tax would be \$310,500 per year for annual allocations alone in each of the three years 2009-2011 for a total of nearly \$1 million. Additional funds would have to be expended for the seasonal allocations. PPG has obtained estimates for NO<sub>x</sub> credits from market traders as high as \$3,000 per ton; thus, the impact could be over \$3 million during this short three year period.<sup>6</sup>

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<sup>6</sup> Personal communication on February 22, 2007, between S. Miller, PPG Industries, Inc. and Philip Ammirato, agent with Emissions Evolution Markets Inc. Estimate used with consent of Mr. Ammirato.

The Louisiana Constitution prohibits the imposition of a tax without appropriate legislative action.<sup>7</sup> Further, the Louisiana Constitution prohibits the taking of private property without due process of law and/or in violation of the right of equal protection under the laws.<sup>8</sup> There has been no legislative authorization of this type of tax on PPG or R.S. Cogen LLC. Such a system as envisioned by the EPA 40 C.F.R. Part 97 rules cannot be legally imposed in Louisiana by LDEQ as these would take away PPG's property for the benefit of others without due process of law and in violation of equal protection of the laws. LDEQ's proposed rule can avoid this issue by providing non-utility units with full allocations based on normal calendar year emissions. LDEQ has done so for every other non-utility unit. It has failed to do so only for the R.S. Cogen units. LDEQ should rectify this problem and provide full allocations to the R.S. Cogen units based on 2003 and 2004 data.

**D. LDEQ Should Consider a Reopener Clause or Sunset Clause in the Event that Portions of CAIR Are No Longer Required**

Louisiana electric generating units are subject to CAIR's requirements for SO<sub>2</sub> and for annual NO<sub>x</sub> reductions solely due to the fact that Louisiana's emissions of SO<sub>2</sub> and NO<sub>x</sub> were projected to make a "significant contribution"<sup>9</sup> to PM<sub>2.5</sub> nonattainment in Jefferson County, AL (Birmingham Area).<sup>10</sup> At the time of this modeling, which was based on 1999-2002 data, the PM 2.5 design value in the Birmingham Area was 21.53 ug/m<sup>3</sup>, more than 6 ug/m<sup>3</sup> over the NAAQS, which is 15.05 ug/m<sup>3</sup>. However, since that time, the Birmingham area has made significant progress towards PM 2.5 attainment. The EPA Green Book, December 2006, indicates that the design value for Jefferson Co., AL had dropped to 17.3 ug/m<sup>3</sup> for the 2001-2003 period.<sup>11</sup> More current data from the Alabama Department of Environmental Management ("ADEM") web site indicates further that four of the six PM 2.5 monitors in the area have a design value of less than 15.0 ug/m<sup>3</sup> and that the only design value is currently 17.4 ug/m<sup>3</sup>.<sup>12</sup> Thus, Birmingham has reduced PM 2.5 by more than 4 ug/m<sup>3</sup> and could achieve attainment of the PM 2.5 NAAQS prior to 2009 when the Phase I NO<sub>x</sub> allocations/reductions are required.<sup>13</sup>

<sup>7</sup> La. Const. of 1974, Art. III, Sec. 2 and Sec. 16.

<sup>8</sup> La. Const. of 1974, Art. I, Sec. 2 and Sec. 3.

<sup>9</sup> Modeling determined that Louisiana emissions would cause a 0.25 ug/m<sup>3</sup> contribution to PM 2.5 in Jefferson Co., AL. This was deemed to be a significant enough contribution to require CAIR applicability in Louisiana for SO<sub>2</sub> reductions and for annual NO<sub>x</sub> reductions. Ozone season NO<sub>x</sub> reductions in Louisiana were based on a projected significant contribution of Louisiana NO<sub>x</sub> emissions to ozone nonattainment in several Texas counties. <http://www.epa.gov/CAIR/pdfs/tsd0162.pdf> (particularly at page 40)

<sup>10</sup> <http://www.epa.gov/CAIR/pdfs/tsd0162.pdf> (particularly at page 40).

<sup>11</sup> <http://www.epa.gov/oar/oaqps/greenbk/qntc.html>.

<sup>12</sup> [http://www.adem.state.al.us/AirDivision/AirRegUpdate2006\\_files/frame.htm](http://www.adem.state.al.us/AirDivision/AirRegUpdate2006_files/frame.htm).

<sup>13</sup> *Id.* ADEM has enacted some control measures ahead of its SIP deadline (2008) and expects some reductions due to the 2007 phase in of the EPA's diesel fuel standards. (Birmingham's attainment deadline is in April 2010.)

In an analogous situation, EPA recently suspended the requirements of the NOx SIP Call for the State of Georgia. See 70 Fed. Reg. 51591, August 31, 2005. The NOx SIP call requirements for Georgia were premised on modeling that showed Georgia NOx emissions were make a significant contribution to ozone nonattainment in Memphis and Birmingham. Subsequently, before the substantive requirements of the NOx SIP call became effective, both the Memphis and Birmingham ozone nonattainment areas were deemed to be in attainment with the ozone standard. For this reason, Georgia regulated entities petitioned, and were granted, a stay of the NOx SIP requirements.

If the Birmingham area achieves attainment with the PM 2.5 standard prior to the effective date of CAIR-required annual NOx season reductions in Louisiana, the CAIR requirements should be suspended and ultimately revoked. For this reason, PPG requests that LDEQ included either in this rulemaking, or a subsequent rulemaking, a provision that will stay the requirements of the CAIR SIP should the Birmingham area achieve attainment.



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LDEQ/OSEC/LAD  
REGULATION DEVELOPMENT SECTION

June 14, 2007

Judy A. Schuerman, Ph. D.  
Office of the Secretary  
Legal Affairs Division  
Louisiana Department of Environmental Quality  
P.O. Box 4302  
Baton Rouge, Louisiana 70821-4302

Re: Comments on the Proposed CAIR NO<sub>x</sub> Trading Programs (AQ285)  
Occidental Chemical Corporation and Occidental Energy Ventures Corporation  
Taft, Louisiana Cogeneration Plant

Dear Dr. Schuerman:

Occidental Energy Ventures Corporation ("OEVC") operates an 835 MW "3 on 1" unit combined-cycle cogeneration plant (the "Taft Cogeneration Plant" or "Plant") at the Occidental Chemical Corporation ("OCC") chemical manufacturing facility located in Taft, Louisiana. The Plant, which consists of three gas turbines and one steam turbine, satisfies all of the steam and electricity requirements for chemical production operations at the Taft facility. The Taft Cogeneration Plant also provides electricity to the public power supply grid. The Plant was brought on-line in December 2002, and is one of the *most fuel-efficient and environmentally-friendly operations* in the region, with a state-of-the-art combustion process that results in NO<sub>x</sub> emissions below 9 ppm. Also, because the Plant fires low-sulfur natural gas, SO<sub>x</sub> emissions are very low, and are significantly lower than those from oil and coal-fired power stations.

On June 28, 2006, representatives from OCC and OEVC met with personnel from the Louisiana Department of Environmental Quality ("Department") to discuss implementation options for the Federal Clean Air Interstate Rule ("CAIR") in Louisiana. During this meeting and in subsequent correspondence submitted to the Department, we requested that the Department increase the proposed set aside budget for new units, such as the Taft Cogeneration Plant, to encourage the continued and future use of environmentally-friendly and highly efficient power stations. We also provided comments on the previously proposed (and subsequently withdrawn) AQ261 "CAIR NO<sub>x</sub> Trading Programs" regulations. Our comments on AQ261 suggested certain changes in the proposed language that would have clarified how NO<sub>x</sub> allowances are to be developed. In particular, we strongly suggested that annual allocations be based on full year data; that is, for those units that became operational in the year preceding January 1, 2002, the allocation should be based on the data for the period from 2002 through 2004. Similarly, if a plant commenced commercial operation in mid-2002, the allocations for that plant should be based on the period from 2003 through 2004. In short, because of partial year operation, new highly-efficient and low emitting facilities –



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those which commenced operation after January 2002 – would be penalized unless full scale operation commenced on January 1<sup>st</sup> of 2002, 2003 or 2004.

Given that the language in proposed AQ285 pertaining to the allocation of allowances for Non-Utility units is virtually the same as that previously proposed in AQ261, we believe that our prior correspondence and comments are pertinent to the AQ285 proposed rulemaking. As such, we respectfully request that the Department reconsider our concerns and recommendations as expressed in our prior correspondence and comments, which are attached hereto for your reference, and that the documents be placed in the administrative record for this rulemaking. We also request that these documents be placed in the administrative record of the Department's proposed SIP revisions for incorporating the CAIR NOX Trading Program.

While the language of the proposed AQ285 rule does not fully address our concerns, we continue to strongly support the proposed regulations. We applaud the Department's efforts to encourage the continued and future use of environmentally-friendly and highly efficient power stations.

We appreciate the opportunity to convey our concerns to you on this very important matter, and again commend Department staff for their work on this complex program. We are, of course, available to meet with you to discuss this matter in detail. Please contact either of us (Mr. Pisani at (985) 783-7212; Mr. Marone at (713) 215-7656) if you have any questions.

Yours truly,

Victor F. Pisani

Plant Manager – Taft, Louisiana  
Occidental Chemical Corporation

Joseph T. Marone  
Director Power Purchasing  
Oxy Energy Ventures Corporation



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March 5, 2007

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LDEQ/OSEC/LAD  
REGULATION DEVELOPMENT SECTION

Judy A. Schuerman, Ph. D.  
Office of the Secretary  
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P.O. Box 4302  
Baton Rouge, Louisiana 70821-4302

Re: Comments on the Proposed CAIR NOX Trading Programs (AQ261)  
Occidental Chemical Corporation and Occidental Energy Ventures Corporation  
Taft, Louisiana Facility

Dear Dr. Schuerman:

Occidental Energy Ventures Corporation ("OEVC") operates an 835 MW "3 on 1" unit combined-cycle cogeneration plant (the "Taft Cogeneration Plant" or "Plant") at the Occidental Chemical Corporation ("OCC") chemical manufacturing facility located in Taft, Louisiana. The Plant, which consists of three gas turbines and one steam turbine, satisfies all of the steam and electricity requirements for chemical production operations at the Taft facility. The Taft Cogeneration Plant also provides electricity to the public power supply grid. The Plant was brought on-line in December 2002, and is one of the *most fuel-efficient and environmentally-friendly operations* in the region, with a state-of-the-art combustion process that results in NO<sub>x</sub> emissions below 9 ppm. Also, because the Plant fires low-sulfur natural gas, SO<sub>x</sub> emissions are very low, and are significantly lower than those from oil and coal-fired power stations.

On June 28, 2006, representatives from OCC and OEVC met with personnel from the Louisiana Department of Environmental Quality ("Department") to discuss implementation options for the Federal Clean Air Interstate Rule ("CAIR") in Louisiana. During this meeting and in subsequent comments submitted to the Department (attached), we requested that the LDEQ increase the set aside budget for new units, such as the Taft Cogeneration Plant, to encourage the continued and future use of environmentally-friendly and highly efficient power stations. In reviewing the referenced proposed rule, we noted that the Department modified the manner in which allocations for new units will be developed. We strongly support the proposed changes, and applaud the Department's efforts, which will encourage the continued and future use of environmentally-friendly and highly efficient power stations.

We did note a potential problem with the following language at §506.A.2.a. of the proposed rules:



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*"Independent Power Producers (IPP) or Cogeneration. For IPP and cogeneration units, the NO<sub>x</sub> allowances shall be equal to the average NO<sub>x</sub> emissions of the three years immediately proceeding the year in which the control period allocations are made. The actual NO<sub>x</sub> emissions during normal operations as reported in the emission inventory required by LAC 33.III.919 shall be used, except that the allowances submitted in 2007 shall use the actual NO<sub>x</sub> emissions for calendar years 2002, 2003, and 2004 that were reported to the Federal Acid Rain Program. If three years of operating data do not exist, the average of the last two years of reported NO<sub>x</sub> emissions shall be used. If only one year of operating data exist, the NO<sub>x</sub> allowances shall be equal to that year's actual reported NO<sub>x</sub> emissions."*

We believe that the proposed language needs clarification. Specifically, the language states the following relative to how allocations shall be developed:

*"...allowances submitted in 2007 shall use the actual NO<sub>x</sub> emissions for calendar year 2002, 2003 and 2004... If **three years** of operating data do not exist, the average of the last **two years**... If only **one year** of operating data exists, the NO<sub>x</sub> allowances shall be equal to that year's actual reported NO<sub>x</sub> emissions"*

We are uncertain as to how the terms "three years", "two years" and "one year" are defined. For example, under proposed §506.A.2.a., does the term "one year" mean a full calendar year from January to December, or does it simply mean that any data – even as little as one month of data – in a year which immediately precedes a specified control period? If true, a unit which started up in December 2004 would be allocated the equivalent of single month's worth of allowances. For units like our Plant at Taft, partial year operation in 2002 also penalizes the amount of allowances provided in that the partial year emission values are combined with the full year data obtained in 2003 and 2004. This results in a lower than normal average annual emission rate which is subsequently used to establish the annual emissions allowance. In short, because of partial year operation, new facilities – those which commenced operation after January 2002 – would be penalized unless full scale operation commenced on January 1<sup>st</sup> of 2002, 2003 or 2004. We doubt that such a circumstance occurred for any new unit.

We recognize that the Department has limited latitude in implementing the requirements of the CAIR, but it seems that under these circumstances, a new and fuel efficient unit would be unduly penalized if partial year(s) of emissions data are used to develop allocations. This is particularly true given that as part of the permitting process, new units would have undergone a recent BACT review are equipped with highly efficient abatement technology.

We suggest that annual allocations be based on full year data; that is, for those units that became operational in the year preceding January 1, 2002, the allocation should be based on the data for the period from 2002 through 2004. Similarly, if a plant commenced commercial operation in mid-2002, the allocations for that plant should be based on the period from 2003 through 2004.





In the document entitled “*In Re: Supplement to Primary Staff Recommendation*” the Louisiana Public Service Commission recommended the following:

“Staff recommends that allocations continue to be set on a heat input basis as outlined in its initial recommendation, but that fuel use be determined by the average of the most recent three years of operating data. So, instead of using 2004 as the baseline, as outlined in the original recommendation, the fuel use would be set on an average of 2002-2004 data. New generators should use the most recent full year of data or a two year average provided it is based upon a full 24 months of data. Future allocation will also be determined on three-year average basis. (i.e., 2006-2008 for 2012, 2007-2009 for 2013; etc.)

The PSC’s recommendation seems to infer that only full-year data should be used to develop annual allocations. In fact, the language is very specific that new generators – those put into operation after 2001 - should use the most recent *full* year of data, or a two year average provided it is based upon a *full* 24 months of data. Conversely, the proposed language at §506.A.2.a. states that *any* available data from the period of 2002-2004, irrespective of the type of unit (pre- or post-2001) or whether it was full or partial year, must be used.

We have reviewed the annual allocation information, and our analysis indicates that there would not be any adverse impact on any IPP or cogeneration facility if full year data was used. We also believe that the impact on existing utility units allocations would be extremely minor – we estimate as little as a 1 to 2 percent change. Thus, consistent with the PSC’s recommendation (and in order to provide additional clarity) and given that the impact would be minor, we recommend minor modifications to the language at §506.A.2.a. of the proposed rules, as follows:

*“Independent Power Producers (IPP) or Cogeneration. For IPP and cogeneration units, the **allocated** NO<sub>x</sub> allowances shall be equal to the average NO<sub>x</sub> emissions of the three years immediately proceeding the year **for which** the control period allocations are made. The actual NO<sub>x</sub> emissions during normal operations as reported in the emission inventory required by LAC 33.III.919 shall be used, except that the allowances **allocated for 2007** shall use the actual NO<sub>x</sub> emissions for calendar years 2002, 2003, and 2004 that were reported to the Federal Acid Rain Program. If three **full** years of operating data do not exist, the average of the last two **full** years of reported NO<sub>x</sub> emissions shall be used. If only one **full** year of operating data exist, the NO<sub>x</sub> allowances shall be equal to that year’s actual reported NO<sub>x</sub> emissions.”*

This language would make the proposed rule consistent with the LPSC recommendation.

Note that similar language relative to ozone season allocations exists at §506.B.2.a. of the proposed rules. Proposed section §506.B.2.a. states the following:





*"Independent Power Producers (IPP) or Cogeneration. For IPP and cogeneration units, the ozone season NO<sub>x</sub> allowances shall be equal to the average ozone season NO<sub>x</sub> emissions of the three years immediately proceeding the year in which the control period allocations are made. The actual ozone season NO<sub>x</sub> emissions during normal operations as reported in the emission inventory required by LAC 33.III.919 shall be used, except that the ozone season allowances submitted in 2007 shall use the actual NO<sub>x</sub> emissions for calendar years 2002, 2003, and 2004 that were reported to the Federal Acid Rain Program. If three years of operating data do not exist, the average of the last two years of reported ozone season NO<sub>x</sub> emissions shall be used. If only one year of operating data exist, the ozone season NO<sub>x</sub> allowances shall be equal to that year's actual reported ozone season NO<sub>x</sub> emissions."*

If a unit started-up during an ozone season, or operated only during part of an ozone season, its ozone season allocation would also be penalized simply because partial ozone season emissions are combined with those from full season operation.

Note also that a facility could have an annual allocation based on a three year period, but an ozone season allocation based on two-season data. For example, if a facility started-up in October 2002, based on the current language, its annual allocation would be based on emission data from 2002 (partial year), 2003 (full year) and 2004 (full year.) However, its ozone season allocation would only be based 2003 and 2004 ozone season data. This seems to be an inconsistent approach relative to developing equitable allocations.

To be consistent with the recommended language on annual allocations found at proposed §506.A.2.a. of the rules, we suggest the following revisions to proposed §506.B.2.a.:

*"Independent Power Producers (IPP) or Cogeneration. For IPP and cogeneration units, the allocated ozone season NO<sub>x</sub> allowances shall be equal to the average ozone season NO<sub>x</sub> emissions of the three years immediately proceeding the year for which the control period allocations are made. The actual ozone season NO<sub>x</sub> emissions during normal operations as reported in the emission inventory required by LAC 33.III.919 shall be used, except that the ozone season allowances allocated for 2007 shall use the actual NO<sub>x</sub> emissions for calendar years 2002, 2003, and 2004 that were reported to the Federal Acid Rain Program. If three full ozone seasons of operating data do not exist, the average of the last two full ozone seasons of reported ozone season NO<sub>x</sub> emissions shall be used. If only one full ozone season of operating data exist, the ozone season NO<sub>x</sub> allowances shall be equal to that season's actual reported ozone season NO<sub>x</sub> emissions."*





We appreciate the opportunity to convey our concerns to you on this very important matter, and again commend Department staff for their work on this complex program. We are, of course, available to meet with you to discuss this matter in detail. Please contact either of us (Mr. Pisani at (985) 783-7212; Mr. Marone at (713) 215-7656) if you have any questions.

Yours truly,

Victor F. Pisani  
Plant Manager – Taft, Louisiana  
Occidental Chemical Corporation

Joseph T. Marone  
Director Power Purchasing  
Oxy Energy Ventures Corporation





Bcc: R. M. Givonetti - Dallas, Texas  
J. Marone - Houston, Texas  
P. Rabalais - Convent, Louisiana  
J. Stuart - Dallas, Texas  
J. Bergeron - Taft, Louisiana  
B. McDowell - Taft, Louisiana  
Legal Counsel





*Cleco Corporation*  
2030 Donahue Ferry Rd  
P. O. Box 5000  
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**VIA HAND DELIVERY**

**VIA E-MAIL**

July 3, 2007

Judith A. Schuermann, Ph.D  
Office of the Secretary  
Legal Affairs Division  
Department of Environmental Quality  
P.O. Box 4302  
Baton Rouge, LA 70821-4302

Re: Comments of CLECO Power, LLC  
AQ285 - Proposed CAIR Regulations

Dear Ms. Schuermann:

Please accept the following comments on behalf of CLECO Power, LLC regarding LDEQ's Notice of Intent (AQ285) to promulgate regulations regarding the CAIR NO<sub>x</sub> Trading Programs (LAC 33:III.506). CLECO Power appreciates the opportunity to comment on the proposed regulations, and looks forward to working with LDEQ in the development of the final regulations.

- 1) Please clarify the status of an Independent Power Producer (IPP) that has contracted only a portion of its output to a Utility Unit. Any LPSC regulated utility in Louisiana must obtain prior LPSC approval to enter into a power purchase agreement with an IPP. Is it LDEQ's intent to have only part of the facility treated as a Utility Unit and the other part as a Non-Utility Unit?

In addition, is it the intent of LDEQ that a unit's status as a Non-Utility Unit or Utility Unit change as the unit's output is committed and uncommitted to a regulated utility periodically? If a Non-Utility Unit receives allowances through the initial allocation and then, for example, is purchased in 2013 by a regulated utility, will the status of that facility change? If this is LDEQ's intent, how will allowances be allocated? Will the agency conduct an annual evaluation of a generating unit's status?

- 2) Please clarify the precise meaning of the terms “oil-fired.” Specifically, Part 97 defines “oil-fired” as “combusting fuel oil for more than 15.0 percent of the annual heat input in a specified year.” Once a unit becomes an “oil-fired” unit will the unit always be considered an “oil-fired” unit under LAC 33.III.506 or will the “oil-fired” designation change each year? If the “oil-fired” designation changes each year, how will the agency obtain this information?

In reference to the LDEQ NOx allocation spreadsheet, Rodemacher Power Station Unit 1 became an “oil-fired” unit in accordance with 40 CFR Part 97 in 2005. Therefore, the heat input fuel adjustment factor for both the annual and ozone seasonal NOx allocations for this unit should be 0.6 in year 2005.

- 3) Is the LDEQ planning to secure allowances from EPA’s supplemental pool and planning to the award these supplemental allowances to units that have installed controls designed to reduce NOx emissions in 2007-2008? If not, can a unit receive these supplemental allowances directly from the EPA?
- 4) The Louisiana Public Service Commission (LPSC) has encouraged utilities to invest in new, clean and efficient solid fuel generation technologies in Louisiana, with the goal of stabilizing electricity prices in the state. Louisiana’s current generation fleet is heavily weighted towards natural gas generation, and the price of natural gas has been extremely volatile. LPSC’s support of new clean and efficient solid fuel generation serves to ameliorate the impact of natural gas price fluctuations. Cleco Power acted on the LPSC’s recommendation and is constructing a 660 (gross) MW generation unit that has the capability of combusting multiple solid fuels including coal, petroleum coke and other solid fuels (biomass, etc).

LDEQ’s proposed rule allocates NOx allowances to Utility Units based on an adjusted heat input basis (see, §506.A.2.c.i [annual NOx allowances] and §506.B.2.c.i [ozone season NOx allowances]). As proposed, actual control period heat inputs will be adjusted as follows: (a) if a unit is “coal-fired” during a year, the units control period heat input will be multiplied by 100%; (b) if a unit is “oil-fired” during a year, the unit’s control period heat input will be multiplied by 60%; and (3) if a unit is neither coal-fired or oil-fired, the unit’s control period heat input will be multiplied by 40%.

These heat input adjustments are consistent with adjustments in the FIP, and are designed to account for the inherently higher emissions rate from coal-fired plants and to provide more allowances to units that face a greater burden in reducing emissions. However, as proposed, the heat input adjustments would penalize solid-fuel fired boilers that are not classified as “coal-fired” units when the NOx emissions from the other non-coal solid fuels are essentially the same.

The terms “coal-fired” and “oil-fired” are defined in 40 CFR 97.102 (a portion of the rule adopted by reference by Louisiana), and have the following meanings:

*Coal-fired* means: ... (2) For purposes of subpart EE of this part [CAIR NOx Allowance Allocations], combusting any amount of coal or coal-

derived fuel, alone or in combination with any amount of any other fuel, during a specified year.

*Oil-fired* means, for purposes of subpart EE of this part, combusting fuel oil for more than 15.0% of the annual heat input in a specified year and not qualifying as coal-fired.

*Fuel oil* means any petroleum-based fuel (including diesel fuel or petroleum derivatives such as oil tar) and any recycled or blended petroleum products or petroleum by-products used as a fuel whether in a liquid, solid, or gaseous state.

Based on the definitions in 40 CFR 97.102, boilers firing 100% petroleum coke (petcoke) would be classified as an “oil-fired” unit and would receive NO<sub>x</sub> allowances based on an adjusted heat input of 60%. Similarly, a biomass-fired boiler would receive NO<sub>x</sub> allowances based on an adjusted heat input of only 40%. This approach would significantly penalize petcoke- and biomass-fired boilers, as NO<sub>x</sub> emissions from these units are essentially the same as NO<sub>x</sub> emissions from a coal-fired boiler, and could discourage the use of petcoke and biomass in solid-fuel fired boilers.

We understand that the State of Louisiana is proposing the CAIR regulations using the abbreviated SIP provisions included in the CAIR FIP (71 FR 25328). The final CAIR FIP (71 FR 25345 – 25346) provides that a state can choose to modify the application of a FIP trading program in the state through abbreviated SIP revisions addressing only certain specified elements of the FIP trading program. Elements of the FIP trading program that can be modified pursuant to the abbreviated SIP provisions include how the state (rather than EPA) will allocate NO<sub>x</sub> annual or ozone season allowances.

Although the State must work within the framework of the FIP trading program, under the abbreviated SIP approach Louisiana is free to allocate NO<sub>x</sub> allowances as it deems appropriate to meet the State’s needs. We see nothing in the abbreviated SIP provisions that would limit the State from allocating NO<sub>x</sub> allowances to other solid fuel-fired units (e.g., petcoke-fired and biomass-fired units) on a more equitable basis, as long as the approach is consistent with other provisions of the FIP.

Therefore, to ensure that NO<sub>x</sub> allowances would be allocated to non-coal, solid fuel-fired units on an equitable basis, we are requesting that the State to consider the following modifications:

1. Include the following definitions in §506.A.1:

**Solid fuel-fired unit – means a unit combusting any amount of solid fuel, including but not limited to solid petroleum by-products (e.g., petroleum coke) and biomass derived fuels (e.g., wood, wood wastes, switch grass, or other similar fuels) alone or in combination with any amount of any other fuel, and not otherwise qualifying as a coal-fired unit.**



2. Modify §506.A.2.c.i as follows:

- i. The average of the unit's control period adjusted heat input for the three calendar years immediately preceding the deadline for submission of allocations to the administrator shall be used (except that the allocation submitted in 2007 shall use the average control period adjusted heat input for calendar years 2002, 2003, and 2004), with the control period adjusted heat input calculated as follows.
  - (a) If the unit is coal-fired during a year, the unit's control period heat input for that year shall be multiplied by 100 percent.
  - (b) If a unit is solid fuel-fired during a year, the unit's control period heat input for that year shall be multiplied by 100 percent.**
  - ~~(bc)~~ If the unit is oil-fired during a year (**excluding oil-fired units that qualify as solid fuel-fired units**), the unit's control period heat input for that year shall be multiplied by 60 percent.
  - ~~(ed)~~ If the unit is not subject to Subclause A.2.c.i.(a), ~~or (b)~~, **or (c)** of this Section, the units control period heat input for the year shall be multiplied by 40 percent.
- ii. A unit's control period heat input, status as coal-fired or oil-fired, and total tons of NO<sub>x</sub> emissions during a calendar year shall be determined in accordance with 40 CFR Part 97 **and the definitions included in §506.A.1**, and reported in accordance with LAC 33:III.919.

3. Similar modifications should be made to §506.B.2.c.i

- 5) Based on the definition of "Certified Unit," it is not clear how NO<sub>x</sub> allowances will be allocated to Certified Units after operating data are available for the three calendar years immediately preceding the deadline for submission of the control period allocations. It is clear that Certified Units will receive NO<sub>x</sub> allowances as part of the Utility Unit heat input budget allocation process using a converted heat input rather than adjusted heat input until operating data are available for the three calendar years immediately preceding the deadline for submission of the control period allocations. However, after operating data are available, it is not clear whether Certified Units will continue to receive allocations based on a converted heat input basis or based on the adjusted heat input procedure for Utility Units (§§506.A.2.c and B.2.c). The definition of "Certified Unit" simply states that the unit has been certified by the LPSC or approved by a municipal authority but was not in operation on, or approved by, December 31, 2004. This definition does not re-designate Certified Units after the requisite operating data are available.

It is our understanding that it is the State's intent to allocate NO<sub>x</sub> allowances to Certified Units based on the adjusted heat input procedure in §§506.A.2.c and B.2.c after operating data are available for the three calendar years immediately preceding the deadline for submission of the control period allocations. To ensure that the regulations reflect this intent, we propose the following clarifications to the definition of a Utility Unit:

*Utility Unit* – a certified unit that is in operation **which has operating data available for the three calendar years immediately preceding the deadline for submission of the control period allocations**, a previously-

operational certified unit, or a non-utility unit that has an effective and active long-term contract with a ~~utility unit~~ **regulated utility or municipality**. Long-term contracts are those contracts of at least one year in duration, provided that the municipality or utility unit expects to receive power under the contract within one year of the contract execution.

- 6) It seems that LAC 33:506.B.2.b.i and ii should state “..for the specified ozone season...”

Thank you again for the opportunity to comment on this important proposed regulation. We look forward to your response.

Sincerely,

A handwritten signature in dark ink, appearing to read "Brent Croom", written in a cursive style.

Brent Croom  
Mgr. Air Quality

cc: Robbie LaBorde – Cleco

# KEANMILLER

KEAN MILLER HAWTHORNE D'ARMOND McCOWAN & JARMAN LLP  
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July 3, 2007

Judith Schuerman, Ph.D.  
Department of Environmental Quality  
Office of the Secretary  
Legal Affairs Division  
P.O. Box 4302  
Baton Rouge, Louisiana 70821-4302

VIA EMAIL AND MAIL

RE: Comments of the Lafayette Utilities System  
CAIR NOx Trading Program  
Log No. AQ285  
And SIP Revisions to Incorporate CAIR NOx Trading Program  
Log No. 0702Pot1  
File No.: 17095-9

Dear Dr. Schuerman:

Our firm represents the Lafayette Utilities System ("LUS"), a Division of the Lafayette Consolidated Government. I am attaching a copy of the comments of LUS to the Louisiana Department of Environmental Quality ("LDEQ") for inclusion in the administrative record of proceedings in connection with the proposed rules to implement the Clean Air Interstate Rule ("CAIR") NOx Trading Program in Louisiana. (Log No. AQ285). We ask that these same comments also be placed in the administrative record of proceedings in connection with LDEQ's request for comments concerning incorporation of the CAIR NOx Trading Program into the Louisiana SIP. (Log No. 0702Pot1).

Pursuant to La. R.S. 49:953(A)(2)(b), LUS requests that LDEQ issue a concise statement of the principal reasons for and against the adoption of any modifications or changes suggested in written or oral comments made to LDEQ in connection with Log Nos. AQ285 and 0702Pot1.

LUS also requests that, prior to any legislative oversight hearings, LDEQ provide to LUS a complete draft of all proposed technical changes to LAC 33:III.506, if any technical changes are proposed.

Judith Schuerman, Ph.D  
July 3, 2007  
Page 2

LUS appreciates the opportunity to comment on these proposals. Should you have any questions regarding the written comments of LUS, please do not hesitate to contact me at the direct contact number above or Frank LeDoux of LUS at [fledoux@lus.org](mailto:fledoux@lus.org). Thank you for your assistance and cooperation.

Very truly yours,

A handwritten signature in black ink, appearing to read 'Maureen N. Harbourt', with a stylized, cursive script.

Maureen N. Harbourt

CC: Darlene Doshier-Collard, LDEQ w/encl  
Frank LeDoux w/encl  
Allyson Pellerin w/encl

**COMMENTS OF THE LAFAYETTE UTILITIES SYSTEM  
ON  
PROPOSED RULE AQ285  
CAIR NOX TRADING PROGRAMS**

**I. BACKGROUND**

The Lafayette Utilities System ("LUS"), a department within the Lafayette Consolidated Government, appreciates the opportunity to submit comments on proposed rule AQ285, LDEQ's proposed Clean Air Interstate Rule ("CAIR") Nitrogen Oxides ("NOx") Trading Program. LUS has a long and proud history of serving the people of Lafayette. LUS offers its customers quality electric, water, and wastewater service. As a customer-owned and operated utility, LUS customers have the power to set rates and control the standard of service. LUS employs over 400 people and is a department of the Lafayette Consolidated Government. LUS serves over 57,000 electric customers, 47,000 water customers, 38,000 wastewater customers and offers wholesale telecommunications services.

The LUS Power Production Division is responsible for the operation and maintenance of the Louis "Doc" Bonin gas-fired steam turbine generation facility (3 units for a total of 295MW) and the T.J. Labbe' and Hargis-Hebert gas-fired combustion turbine generation facilities (each plant consists of two 50-MW combustion turbines generators). Information about each of these units is provided below:

<b>Name of Station and AI #</b>	<b>Title V Permit No.</b>	<b>Unit Description</b>	<b>Age</b>	<b>Fuel Type</b>
Louis "Doc" Bonin  AI 31135	1520-0002-V1	Unit 1 Boiler	Built 1965	Gas/Fuel Oil
		Unit 2 Boiler	Built 1970	Gas/Fuel Oil
		Unit 3 Boiler	Built 1976	Gas/Fuel Oil

Name of Station and AI #	Title V Permit No.	Unit Description	Age	Fuel Type
T J Labbe' AI:119640	1520-00128-VO	Unit 1 combustion turbine	First fire June 29, 2005	Natural gas
		Unit 2 combustion turbine	First fire July 14, 2005	Natural gas
Hargis-Hebert AI: 121572	1520-00131-VO	Unit 1 combustion turbine	First fire April 27, 2006	Natural gas
		Unit 2 combustion turbine	First fire, April 18, 2006	Natural gas

The above units are not regulated by the Louisiana Public Service Commission ("LPSC") as they are municipally owned and operated for the benefit of the citizens of Lafayette.

## **II. COMMENTS ON PROPOSED RULE FOR CAIR NOX TRADING PROGRAM IN LOUISIANA**

### **A. Status of Municipal Units Is Not Clear Under the Proposed Regulatory Language**

As proposed, the definitions of "non-utility unit" and "utility unit" do not appear to be mutually exclusive. It is apparent that the Department intends for these categories to be mutually exclusive, but the language does not seem to achieve that purpose. In particular, we are concerned that the LUS units identified above do not appear to meet the definition of utility unit. The definition of utility unit covers only three (3) types of units:

- A certified unit that is in operation
- A previously-operational certified unit
- A non-utility unit that has an effective and active long-term contract with a utility unit.

A review of the LUS units illustrates the ambiguity in the status of its units. The Louis Doc Bonin Units 1, 2 and 3 were all approved by the municipal authority prior to 1980 and have

been operating since before that time. “Certified unit” is defined in the proposed rule as an electricity-generating unit or contract that has been certified by the LPSC or approved by a municipal authority but was not in operation on or approved by, December 31, 2004. Thus, according to these literal definitions the three LUS owned and operated Louis “Doc” Bonin units are not “certified units that are in operation” because they were all approved by and in operation before December 31, 2004. Similarly, they are not “previously operational certified units” because they are not “Certified Units” according to the definition provided. LUS does not believe that these three units are “non-utility units that have active long-term contracts with a utility unit” within the meaning of the definition of “utility unit.” These three units do not have any active long-term contracts with some other utility unit. They are operated directly by LUS for the LUS owned and operated system.

However, it is not clear that these three units would meet the proposed definition of Non-Utility Unit. They have been approved by a municipal authority, which seems to exclude them from the definition of Non-Utility Unit.

In addition, the status of LUS’s newer units is equally uncertain under the literal language of the proposed rule. The two LUS owned and operated T.J. Labbe’ units experienced first fire in the summer of 2005, but both were approved by the municipal government before December 31, 2004. The two LUS owned and operated Hargis-Herbert units experienced first fire in spring 2006, but also were both approved by the Lafayette Consolidated Government before December 31, 2004. Thus, none of these four units meets the proposed definition of “Certified Unit.” For this reason, they cannot be “a certified unit that is in operation” or a “previously – operational certified unit” within the meaning of the definition of “Utility Unit”. Thus, they would be classified as a “Utility Unit” only if they are non-utility units with effective and active

long-term contracts with a utility unit. They do not. Again, all four are owned and operated directly by LUS for the benefit of the citizens of Lafayette. They do not have long term power contracts to provide power to any other “utility unit.”

It is obvious from the tables proposing allocations that were sent to EPA Region 6 that LDEQ considers the three Louis “Doc” Bonin units to be “Utility Units” and that the four newer LUS owned and operated units to be “Certified Units.” (See LDEQ website with CAIR NOx allocation tables<sup>1</sup> and a copy of the Tables attached as Exhibit 1, official proposed allocations to EPA, and Exhibit 2, website version of allocations.) However, as noted, the regulatory language is not consistent with the allocations indicated by these tables.

LUS suggests the following revisions to the proposed rule in order to match the regulatory language to the proposed allocation tables:

- Change the definition of Certified Unit or Contract to read as follows: “Certified Unit - an electricity-generating unit that has been certified by the LPSC or approved by a municipal authority but was not in operation on or before December 31, 2004. [Note: it is not necessary to include “a certified contract” in the definition because the definition of LPSC or Municipal Certification” already covers this.]
- In the definition of LPSC or Municipal Certification, change the second sentence to read as follows: “This process includes the certification or approval of long-term contracts that dedicate a portion of the electrical output of any electrical generating unit to a public utility regulated by the LPSC or to a municipality.” [Note: this revision avoids the ambiguity caused by use of the term “utility unit” in the existing proposed language. Electrical output is not provided “to a utility unit.” It is either provided to a public utility regulated by the LPSC or to a municipality.]
- Change the definition of Non-Utility unit to mean “any electricity-generating unit that is not a utility unit or a certified unit.”
- Change the definition of “Utility Unit” to “an electrical generating unit regulated by the LPSC, or an electrical-generating unit owned and operated by a municipal authority, or an electrical-generating unit with a long-term contract to provide

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<sup>1</sup> <http://www.deq.louisiana.gov/portal/tabid/2700/Default.aspx>.



electricity to an LPSC regulated entity or to a municipal authority. Long term contracts are those contracts of at least one year in duration, provided that the municipality or LPSC regulated public utility expects to receive power under the contract within one year of the contract execution.” [Note: This avoids the circular use of the term “certified”. Because a “certified unit” is by definition a unit not in operating as of the end of 2004, LDEQ’s existing proposed language would not cover most regulated public utilities as most were in operation before the end of 2004.]

#### **B. Units Which Came On-Line in 2005 or 2006**

LUS supports the proposed allocations provided by LDEQ to EPA Region 6 for LUS’s two T. J. Labbe’ units that experienced first-fire in mid-2005 and the two Hargis-Hebert units that experienced first fire in April 2006. LUS agrees that these four units should be treated as “Certified Units” under the proposed rule as they were authorized and approved by the Lafayette Consolidated Government. LUS requests that the proposed allocations for these units be included in the administrative record of this rulemaking to confirm LDEQ’s intent. A copy of the allocation tables are attached as Exhibits 1 and 2.

It is noted that the language provided in 506.A.2.b and 506.B.2.b may not be inclusive of units that came on-line during 2005 or 2006 because the units do not “begin operation” during a control period as defined by CAIR. To address this issue, LUS suggests the following revisions to the proposed rule in order to match the regulatory language to the proposed allocation tables:

- For 506.A.2.b, change the first sentence to read as follows: “A certified unit subject to CAIR shall be allocated NOx allowances for the **first** control period in which the unit will **operate** ~~begin operation~~, and for each successive control period, for which no NOx allowances have been previously allocated until operating data are available for the three calendar years immediately preceding the deadline for submission of the control period allocations.”
- For 506.B.2.b change the first sentence to read as follows: “A certified unit subject to CAIR shall be allocated NOx allowances for the ozone season of the **first** control period in which the unit will **operate** ~~begin operation~~, and for each successive ozone season in a control period, for which no NOx allowances have been previously allocated until ozone season operating data are available for the

three calendar years immediately preceding the deadline for submission of the control period allocations.

**C. The Allocations for the Rodemacher No. 3 Unit Should Be Pro-rated for the Portion of the Year It Is Expected to Commence Commercial Operation**

LDEQ has proposed allocations for the Rodemacher No. 3 Unit at a 100% capacity factor (capacity factor equals the number of kilowatt hours operated during a year divided by the maximum potential number of kilowatt hours in a year), or in other words, as if it will operate at full load for a full calendar year in 2009. The Rodemacher No. 3 Unit would be classified under the proposed rule as a “Certified Unit.”<sup>2</sup> Under the proposed rule and under the allocations sent to EPA Region 6, it appears that the Rodemacher No. 3 unit would receive allocations for the full calendar year (and full ozone season) for 2009 and thereafter, even though it may not be operational by the beginning of 2009 and/or may not operate for a full year in 2009, or possibly even 2010.<sup>3</sup> Other new units could obtain LPSC certification over the years giving rise to the same problem.

Publicly available information indicates that the Rodemacher 3 Unit is scheduled for first-fire in February 2009 and for commencement of commercial operation in October 2009.<sup>4</sup> LDEQ should revise its proposed rules to indicate that a LPSC Certified Unit’s allocation should be pro-rated for the calendar year that it will commence operation such that the allocation is

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<sup>2</sup> That is, assuming that the Rodemacher No. 3 Unit was not approved by the LPSC prior to December 31, 2004. LUS does not know the date of such certification, but presumes that it must be after that date as LDEQ’s allocations to EPA Region 6 treat it as a “certified unit.” If LDEQ adopts the revisions to the definition of certified unit suggested herein by LUS, the Rodemacher No. 3 unit clearly would be a certified unit.

<sup>3</sup> This interpretation of the proposed rule is based in part on the LDEQ allocations provided to the EPA Region 6 as reflected by Exhibits 1 and 2 to these comments.

<sup>4</sup> Cleco Power LLC website “Rodemacher Unit 3 Key Dates” <http://www.cleco.com/site416.php>.

provided only for the amount of generation output during the first calendar year of operations. LDEQ's initial allocations for 2009 should also reflect this prorated approach. Otherwise, valuable allowances will be provided to such Certified Units as a windfall.

When it is known prior to the awarding of the allocations that a full calendar year or full ozone season allocation is not needed, the allocation should be pro-rated before it is awarded. For this reason, LUS suggests that LDEQ revise paragraphs 506.A.2.b. and 506.B.2.b. to read as follows:

506.A.2.b. Certified Units. A certified unit subject to CAIR shall be allocated NOx allowances for the first control period, **or portion of the control period**, in which the unit **is projected to** ~~will~~ operate, and for each successive control period, for which no NOx allowances have been previously allocated until operating data are available for the three calendar years immediately preceding the deadline for submission of the control period allocations. Until a unit has three calendar years of operating data immediately preceding the allocation submittal deadline, the converted heat input as calculated in Clause A.2.b.i. or ii. of this Section shall be used to allocate allowances for the unit. **If the unit is projected to commence operation after the beginning of a calendar year, the allocation for the initial year of operation shall be prorated such that an allocation is provided only for the portion of the control period that the unit will be operating.** The certified unit shall be treated as a utility unit for the purposes of this allocation, except that converted heat input shall be used instead of adjusted heat input. Converted heat input is calculated as follows.

506.B.2.b. Certified Units. A certified unit subject to CAIR shall be allocated NOx allowances for the **first** ozone season of the control period, in which the unit **is projected to** ~~will~~ operate, and for each successive ozone season in a control period, for which no NOx allowances have been previously allocated until ozone season operating data are available for the three calendar years immediately preceding the deadline for submission of the control period allocations. Until a unit has three calendar years of ozone season operating data immediately preceding the allocation submittal deadline, the converted heat input as calculated in Clause B.2.b.i. or ii. of this Section shall be used to allocate ozone season allowances for the unit. **If the unit is projected to commence operation after the beginning of the ozone season within a calendar year, the allocation for the initial ozone season period of operation shall be prorated such that an allocation is provided only for the portion of the ozone season in which the unit will be operating.** The certified unit shall be treated as a utility unit for the purposes of this allocation, except that converted heat input shall be used instead of adjusted heat input. Converted heat input is calculated as follows.

Without such change, the Rodemacher No. 3 Unit could receive a substantial windfall at the expense of all other utility units. Rodemacher's annual NOx allocation is 3558 tons per year for 2009, based on a 100% capacity factor. Thus, the monthly average allocation is 278 tons of NOx. If NOx is valued at \$1,000 to \$2,000 per ton, as is widely predicted, then this equates to \$278,000.00 in value to Rodemacher No. 3 for the months it does not operate. As noted above, the unit is not projected to have first fire until February 2009 and will not commence commercial operation until fall 2009. It can easily be seen that LDEQ's failure to prorate the initial year of operation could result in a windfall of \$500,000.00 or more to this unit.

If an allocation is awarded, but subsequent information becomes available to indicate that operations will commence later than anticipated, such information should be used to adjust any awarded allocations if necessary. LUS believes that the most appropriate date to apply to the pro-rate calculation is the date the unit is to "commence operation" as defined in 40 CFR 97.2

Although EPA's 40 C.F.R. Part 96 rules for NOx Allocations are not directly applicable,<sup>5</sup> portions of these could be used as a model for LDEQ with respect to prorating projected emissions from new units not yet on-line. Under 40 C.F.R. 96.42(d), EPA indicates that a future allocation should be made for new units only upon application by the new unit, such application to be made after the Title V Permit authorizing construction has been issued and before May 1 of the calendar year in which the unit is projected to commence operations. Further, the allocation is to be made only for the "number of hours remaining in the control period starting with the first day in the control period on which the unit operated or is projected to operate." The request for allocations must be certified by the designated representative (including the information as to the expected date the unit will commence operation). In reviewing the request, the State is to

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<sup>5</sup> These rules were formulated for the eastern states that were part of the NOx SIP Call.

allocate allowances only for the expected utilization of the unit. See 40 C.F.R. 96.42(d)(5). The State is required to make the determination concerning allocations within 60 days of the date that the application is submitted.

As an alternative to the language proposed by LUS above, LUS suggests the following revisions to Section 506.A.2.a., 506 A.2.b., 506.B.2.a and 506.B.2.b. to accomplish these purposes:

[506.A.2]b. LPSC Certified Unit. Upon application to the administrative authority certified by the designated representative, a LPSC certified unit shall be allocated allowances for the **first** control period in which the unit **is projected to** ~~will~~ operate if the allowances for that control period have not been previously allocated. Such application shall be submitted after issuance of a title V permit authorizing construction and before [insert deadline DEQ deems appropriate]. The application shall provide the date of projected commencement of operation of the unit and expected utilization during the control period as well as the heat input data needed to determine the appropriate allocation as provided below. **Such allowances shall be prorated for the portion of the control period (calendar year) in which the unit is projected to commence operations (as defined in 40 C.F.R. 96.2) so as to match projected utilization of such unit during the portion of the control period after it commences operations or is projected to commence operations. The administrative authority will make a decision on such application within 60 days of receipt of the NOx allocation request.** Until a unit has three years of operating data preceding the allocation submittal deadline, the converted heat input as calculated in Clause A.2.b.i or ii of this Section shall be used to allocate allowances for the unit. The LPSC certified unit shall be treated as a LPSC regulated unit for the purposes of this allocation, except that converted heat input shall be used instead of adjusted heat input. Converted heat input is calculated as follows.

[506.B.2] b. LPSC Certified Unit. Upon application to the administrative authority certified by the designated representative, a LPSC certified unit shall be allocated allowances for the **first** ozone season control period in which the unit **is projected to** ~~will~~ operate if the allowances for that ozone season control period have not been previously allocated. Such application shall be submitted after issuance of a title V permit authorizing construction and before [insert deadline DEQ deems appropriate]. The application shall provide the date of projected commencement of operation of the unit and expected utilization during the control period as well as the heat input data needed to determine the appropriate allocation as provided below. **Such allowances shall be prorated for the portion of the control period (ozone season) in which the unit is projected to**

**commence operations (as defined in 40 C.F.R. 96.2) so as to match projected utilization of such unit during the portion of the control period after it commences operation. The administrative authority will make a decision on such application within 60 days of receipt of the NOx allocation request.** Until a unit has three years of ozone season operating data preceding the allocation submittal deadline, the converted heat input as calculated in Clause B.2.b.i or ii of this Section shall be used to allocate ozone season allowances for the unit. The LPSC certified unit shall be treated as a LPSC regulated unit for purposes of this allocation, except that ozone season converted heat input will be used instead of ozone season adjusted heat input. Ozone season converted heat input is calculated as follows.

#### **D. Reallocation of Unused Allowances**

Under the EPA Part 96 rules, once the new unit commences operation, the allocations are provided only to match with actual utilization, and any excess allocations that were allocated but not used are then allocated proportionally to the other NOx Budget Units in the state per 40 C.F.R. 96.42(e) and (f). Louisiana should consider a system of similar safeguards with respect to allocations for all Certified Units.

LUS recognizes that a system for reallocating unused NOx allocations for new units is beyond the scope of this rulemaking. However, LUS requests that LDEQ initiate rulemaking at a later date to address reallocation of NOx Allocations for Certified Units that are awarded, but then not used because the unit commences operation later than planned or does not commence operation at all during the control period for which the allocations are awarded. The EPA rules in 40 C.F.R. Part 96 provide a framework for developing a future rule on reallocation of unused allowances by a new unit.

#### **E. Realistic LPSC and Municipal Certifications**

As indicated above, LDEQ has proposed allocations for the Rodemacher No. 3 Unit at a 100% capacity factor, or in other words, as if it will operate at full load for a full calendar year in 2009. Electric-generating units, even base load coal-fired units, do not operate at or achieve a

100% capacity factor. A number of factors including maintenance outages, electrical grid instabilities, equipment failure, ambient temperature changes, etc., prevent an electric-generating unit from reaching a 100% capacity factor. For a new unit in the commissioning process, a 100% capacity factor is even less realistic. We believe that LDEQ, LPSC and municipal authorities should exercise good judgment when estimating the future load of a Certified Unit or Contract. To estimate the future load of a Certified Unit during the first year or two of operations at 100% capacity factor is unrealistic and irresponsible. We believe that an 85% capacity factor is realistic and perhaps generous for a new coal fired unit.

### **III. LDEQ SHOULD CONSIDER A REOPENER CLAUSE OR SUNSET CLAUSE IN THE EVENT THAT PORTIONS OF CAIR ARE NO LONGER REQUIRED**

Louisiana electric generating units are subject to CAIR's requirements for SO<sub>2</sub> and for annual NO<sub>x</sub> reductions solely due to the fact that Louisiana's emissions of SO<sub>2</sub> and NO<sub>x</sub> were projected to make a "significant contribution"<sup>6</sup> to PM<sub>2.5</sub> nonattainment in Jefferson County, Alabama (Birmingham Area). <http://www.epa.gov/CAIR/pdfs/tsd0162.pdf> (particularly at page 40). At the time of this modeling which was based on 1999-2002 data, the PM 2.5 design value in the Birmingham Area was 21.53 ug/m<sup>3</sup>, more than 6 ug/m<sup>3</sup> over the NAAQS, which is 15.05 ug/m<sup>3</sup>. However, since that time, the Birmingham area has made significant progress towards PM 2.5 attainment. The EPA Green Book, December 2006, indicates that the design value for Jefferson Co., AL has dropped to 17.3 ug/m<sup>3</sup>. Data from the Alabama Dept. of Environmental Management web site indicates further that 5 of the 6 PM 2.5 monitors have a design value of

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<sup>6</sup> Modeling determined that Louisiana emissions would cause a 0.25 ug/m<sup>3</sup> contribution to PM 2.5 in Jefferson Co., AL. This was deemed to be a significant enough contribution to require CAIR applicability in Louisiana for SO<sub>2</sub> reductions and for annual NO<sub>x</sub> reductions. Ozone season NO<sub>x</sub> reductions in Louisiana were based on a projected significant contribution of Louisiana NO<sub>x</sub> emissions to ozone nonattainment in several Texas counties. <http://www.epa.gov/CAIR/pdfs/tsd0162.pdf> (particularly at page 40)

less than 15.05 ug/m<sup>3</sup> and only one monitor still has a design value over the NAAQS.<sup>7</sup> Thus, Birmingham has reduced PM 2.5 by more than 4 ug/m<sup>3</sup> and could achieve attainment of the PM 2.5 NAAQS prior to 2009 when the Phase I NOx allocations/reductions are required. Birmingham's attainment deadline is in April 2010.

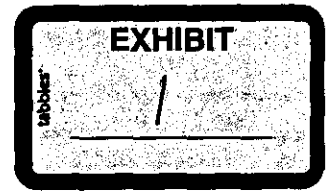
In an analogous situation, EPA recently suspended the requirements of the NOx SIP Call for the State of Georgia. See 70 Fed. Reg. 51591, August 31, 2005. The NOx SIP call requirements for Georgia were premised on modeling that showed Georgia NOx emissions were making a significant contribution to ozone nonattainment in Memphis and Birmingham. Subsequently, before the substantive requirements of the NOx SIP call became effective, both the Memphis and Birmingham ozone nonattainment areas were deemed to be in attainment with the ozone standard. For this reason, Georgia regulated entities petitioned, and were granted, a stay of the NOx SIP requirements.

If the Birmingham area achieves attainment with the PM 2.5 standard prior to the effective date of CAIR-required annual NOx season reductions in Louisiana, the CAIR requirements should be suspended and ultimately revoked. For this reason, LUS requests that LDEQ included either in this rulemaking, or a subsequent rulemaking, a provision that will stay the requirements of the CAIR SIP should the Birmingham area achieve attainment.

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<sup>7</sup> <http://www.adem.state.al.us/AirDivision/Ozone/PM3year.jpg> and [http://216.226.179.150/airdivision/AirRegUpdate2006\\_files/frame.htm#slide0213.htm](http://216.226.179.150/airdivision/AirRegUpdate2006_files/frame.htm#slide0213.htm), at slide 18.





**From:** "James Orgeron" <James.Orgeron@LA.GOV>  
**To:** <Wiley.Adina@epamail.epa.gov>  
**Date:** 4/27/2007 2:20:43 PM  
**Subject:** Louisiana's NOx Allocations for 2009, 2010, and 2011 Under CAIR

Attached are Louisiana's NOx allocations for 2009, 2010, and 2011. Please respond that you have received them. We are also faxing a letter from Mr. Roberie to Mr. Robinson discussing how we handled NISCO's allocations. Hard copy of the letter will follow. The fax and the allocations should complete the package. There are two worksheets in the attached spreadsheet. Let me know if you need anything else relating to CAIR NOx allocations.

<<initial allocations format.xls>>

Jim Orgeron  
Air Quality Assessment Division  
(225) 219-3578

**CC:** <Robinson.Jeffrey@epamail.epa.gov>, "Darlene Doshier-Collard" <Darlene.Doshier-Collard@LA.GOV>, "Chris Roberie" <Chris.Roberie@LA.GOV>, "Teri Lanoue" <Teri.Lanoue@LA.GOV>

Source	Facility Name	Year	Address	Facility Name
Source	Facility Name	Year	Address	Facility Name

LA0000000100	006190FACLT	2009	331 Rodemacher Unit 1
LA0000000100	006190FACLT	2009	2664 Rodemacher Unit 2
LA0000000100	006190FACLT	2009	3558 Rodemacher Unit 3
LA0000000100	001393FACLT	2009	169 RS Nelson Unit 3
LA0000000100	001393FACLT	2009	431 RS Nelson Unit 4
LA0000000100	001393FACLT	2009	3043 RS Nelson Unit 6
LA0000000100	006055FACLT	2009	3786 Big Cajun 2 Unit 1
LA0000000100	006055FACLT	2009	3528 Big Cajun 2 Unit 2
LA0000000100	006055FACLT	2009	3398 Big Cajun 2 Unit 3
LA0000000100	006055FACLT	2009	0 Big Cajun 2 Unit 4
LA0000000100	000051FACLT	2009	3931 Dolet Hills
LA0000000100	001402FACLT	2009	156 Entergy Little Gypsy 1
LA0000000100	001402FACLT	2009	193 Entergy Little Gypsy 2
LA0000000100	001402FACLT	2009	289 Entergy Little Gypsy 3
LA0000000100	001448FACLT	2009	0 Monroe - 11
LA0000000100	001448FACLT	2009	0 Monroe - 12
LA0000000100	001403FACLT	2009	62 Entergy Ninemile Point -1
LA0000000100	001403FACLT	2009	100 Entergy Ninemile Point -2
LA0000000100	001403FACLT	2009	68 Entergy Ninemile Point -3
LA0000000100	001403FACLT	2009	771 Entergy Ninemile Point -4
LA0000000100	001403FACLT	2009	808 Entergy Ninemile Point -5
LA0000000100	055620FACLT	2009	120 Perryville Power Station CT1
LA0000000100	055620FACLT	2009	137 Perryville Power Station CT2
LA0000000100	055620FACLT	2009	2 Perryville Power Station 2CT
LA0000000100	001404FACLT	2009	15 Sterlington - 7AB
LA0000000100	001404FACLT	2009	18 Sterlington - 7C
LA0000000100	001404FACLT	2009	158 Sterlington - 10
LA0000000100	008056FACLT	2009	424 Entergy Waterford 1 & 2 - 1
LA0000000100	008056FACLT	2009	351 Entergy Waterford 1 & 2 - 2
LA0000000100	001407FACLT	2009	8 Entergy A B Paterson - 3
LA0000000100	001407FACLT	2009	6 Entergy A B Paterson - 4
LA0000000100	001409FACLT	2009	43 Entergy Michoud - 1
LA0000000100	001409FACLT	2009	215 Entergy Michoud - 2
LA0000000100	001409FACLT	2009	554 Entergy Michoud - 3
LA0000000100	001392FACLT	2009	0 Entergy Louisiana 2 - 10
LA0000000100	001392FACLT	2009	0 Entergy Louisiana 2 - 11
LA0000000100	001392FACLT	2009	0 Entergy Louisiana 2 - 12
LA0000000100	001394FACLT	2009	62 Entergy Willow Glen - 1
LA0000000100	001394FACLT	2009	102 Entergy Willow Glen - 2
LA0000000100	001394FACLT	2009	113 Entergy Willow Glen - 3
LA0000000100	001394FACLT	2009	72 Entergy Willow Glen - 4
LA0000000100	001394FACLT	2009	197 Entergy Willow Glen - 5
LA0000000100	001400FACLT	2009	10 Teche Power Station - 2
LA0000000100	001400FACLT	2009	297 Teche Power Station - 3
LA0000000100	001416FACLT	2009	45 Arsenal Hill Power Plant
LA0000000100	001417FACLT	2009	13 Lieberman Power Plant - 3
LA0000000100	001417FACLT	2009	16 Lieberman Power Plant - 4
LA0000000100	001443FACLT	2009	8 Doc Bonin - 1
LA0000000100	001443FACLT	2009	33 Doc Bonin - 2
LA0000000100	001443FACLT	2009	103 Doc Bonin - 3
LA0000000100	001449FACLT	2009	28 Morgan City Electrical Gen Facility
LA0000000100	001439FACLT	2009	7 Houma - 15
LA0000000100	001439FACLT	2009	32 Houma - 16
LA0000000100	006558FACLT	2009	1 D G Hunter - 3
LA0000000100	006558FACLT	2009	2 D G Hunter - 4
LA0000000100	00FACLT	2009	65 Hargis-Hebert Electric Generating Station - U-1
LA0000000100	00FACLT	2009	65 Hargis-Hebert Electric Generating Station - U-2
LA0000000100	001450FACLT	2009	0 Natchitoches - 10
LA0000000100	001458FACLT	2009	0 Ruston - 2
LA0000000100	001458FACLT	2009	1 Ruston - 3

LA0000000100	00FACLT	2009	65 T J Labbe Electric G - U -1
LA0000000100	00FACLT	2009	65 T J Labbe Electric G - U -2
LA0000000100	055173FACLT	2009	24 Acadia Power Station - CT1
LA0000000100	055173FACLT	2009	20 Acadia Power Station - CT2
LA0000000100	055173FACLT	2009	26 Acadia Power Station - CT3
LA0000000100	055173FACLT	2009	23 Acadia Power Station - CT4
LA0000000100	055433FACLT	2009	1 Bayou Cove Peaking Power Plant - CTG1
LA0000000100	055433FACLT	2009	1 Bayou Cove Peaking Power Plant - CTG2
LA0000000100	055433FACLT	2009	1 Bayou Cove Peaking Power Plant - CTG3
LA0000000100	055433FACLT	2009	1 Bayou Cove Peaking Power Plant - CTG4
LA0000000100	001464FACLT	2009	34 Big Cajun 1 - CTG1
LA0000000100	001464FACLT	2009	22 Big Cajun 1 - CTG2
LA0000000100	001464FACLT	2009	0 Big Cajun 1 - 2B1
LA0000000100	001464FACLT	2009	0 Big Cajun 1 - 2B2
LA0000000100	055165FACLT	2009	16 Calcasieu Power, LLC -GTG1
LA0000000100	055165FACLT	2009	20 Calcasieu Power, LLC -GTG2
LA0000000100	055404FACLT	2009	81 Carville Energy Center - COG 1
LA0000000100	055404FACLT	2009	48 Carville Energy Center - COG 2
LA0000000100	001396FACLT	2009	92 Evangeline Power Station (Coughlin) - 7-2
LA0000000100	001396FACLT	2009	160 Evangeline Power Station (Coughlin) - 6-1
LA0000000100	001396FACLT	2009	94 Evangeline Power Station (Coughlin) - 7-1
LA0000000100	001391FACLT	2009	224 Exxon Mobil Louisiana 1 - 1A
LA0000000100	001391FACLT	2009	152 Exxon Mobil Louisiana 1 - 2A
LA0000000100	001391FACLT	2009	210 Exxon Mobil Louisiana 1 - 3A
LA0000000100	001391FACLT	2009	899 Exxon Mobil Louisiana 1 - 4A
LA0000000100	001391FACLT	2009	304 Exxon Mobil Louisiana 1 - 5A
LA0000000100	055419FACLT	2009	32 Plaquemine Cogen Facility - 500
LA0000000100	055419FACLT	2009	23 Plaquemine Cogen Facility - 600
LA0000000100	055419FACLT	2009	25 Plaquemine Cogen Facility - 700
LA0000000100	055419FACLT	2009	25 Plaquemine Cogen Facility - 800
LA0000000100	055467FACLT	2009	37 Quachita Power, LLC -CTGEN1
LA0000000100	055467FACLT	2009	36 Quachita Power, LLC -CTGEN2
LA0000000100	055467FACLT	2009	32 Quachita Power, LLC -CTGEN3
LA0000000100	055117FACLT	2009	0 R S Cogen - RS-4
LA0000000100	055117FACLT	2009	265 R S Cogen - RS-5
LA0000000100	055117FACLT	2009	268 R S Cogen - RS-6
LA0000000100	055089FACLT	2009	140 Taft Cogeneration Facility - CT1
LA0000000100	055089FACLT	2009	146 Taft Cogeneration Facility - CT2
LA0000000100	055089FACLT	2009	142 Taft Cogeneration Facility - CT3
LA0000000100	00FACLT	2009	641 NISCO Unit - 1A
LA0000000100	00FACLT	2009	508 NISCO Unit - 2A

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LA0000000100	006190FACLT	2010	331 Rodemacher Unit 1
LA0000000100	006190FACLT	2010	2664 Rodemacher Unit 2
LA0000000100	006190FACLT	2010	3558 Rodemacher Unit 3
LA0000000100	001393FACLT	2010	169 RS Nelson Unit 3
LA0000000100	001393FACLT	2010	431 RS Nelson Unit 4
LA0000000100	001393FACLT	2010	3043 RS Nelson Unit 6
LA0000000100	006055FACLT	2010	3786 Big Cajun 2 Unit 1
LA0000000100	006055FACLT	2010	3528 Big Cajun 2 Unit 2
LA0000000100	006055FACLT	2010	3398 Big Cajun 2 Unit 3
LA0000000100	006055FACLT	2010	0 Big Cajun 2 Unit 4
LA0000000100	000051FACLT	2010	3931 Dolet Hills
LA0000000100	001402FACLT	2010	156 Entergy Little Gypsy 1
LA0000000100	001402FACLT	2010	193 Entergy Little Gypsy 2
LA0000000100	001402FACLT	2010	289 Entergy Little Gypsy 3
LA0000000100	001448FACLT	2010	0 Monroe - 11
LA0000000100	001448FACLT	2010	0 Monroe - 12
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LA0000000100	001403FACLT	2010	100 Entergy Ninemile Point -2
LA0000000100	001403FACLT	2010	68 Entergy Ninemile Point -3
LA0000000100	001403FACLT	2010	771 Entergy Ninemile Point -4
LA0000000100	001403FACLT	2010	808 Entergy Ninemile Point -5

LA0000000100	055620FACLT	2010	120 Perryville Power Station CT1
LA0000000100	055620FACLT	2010	137 Perryville Power Station CT2
LA0000000100	055620FACLT	2010	2 Perryville Power Station 2CT
LA0000000100	001404FACLT	2010	15 Sterlington - 7AB
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LA0000000100	001404FACLT	2010	158 Sterlington - 10
LA0000000100	008056FACLT	2010	424 Entergy Waterford 1 & 2 - 1
LA0000000100	008056FACLT	2010	351 Entergy Waterford 1 & 2 - 2
LA0000000100	001407FACLT	2010	8 Entergy A B Paterson - 3
LA0000000100	001407FACLT	2010	6 Entergy A B Paterson - 4
LA0000000100	001409FACLT	2010	43 Entergy Michoud - 1
LA0000000100	001409FACLT	2010	215 Entergy Michoud - 2
LA0000000100	001409FACLT	2010	554 Entergy Michoud - 3
LA0000000100	001392FACLT	2010	0 Entergy Louisiana 2 - 10
LA0000000100	001392FACLT	2010	0 Entergy Louisiana 2 - 11
LA0000000100	001392FACLT	2010	0 Entergy Louisiana 2 - 12
LA0000000100	001394FACLT	2010	62 Entergy Willow Glen - 1
LA0000000100	001394FACLT	2010	102 Entergy Willow Glen - 2
LA0000000100	001394FACLT	2010	113 Entergy Willow Glen - 3
LA0000000100	001394FACLT	2010	72 Entergy Willow Glen - 4
LA0000000100	001394FACLT	2010	197 Entergy Willow Glen - 5
LA0000000100	001400FACLT	2010	10 Teche Power Station - 2
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LA0000000100	001417FACLT	2010	13 Lieberman Power Plant - 3
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LA0000000100	001443FACLT	2010	8 Doc Bonin - 1
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LA0000000100	001443FACLT	2010	103 Doc Bonin - 3
LA0000000100	001449FACLT	2010	28 Morgan City Electrical Gen Facility
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LA0000000100	001439FACLT	2010	32 Houma - 16
LA0000000100	006558FACLT	2010	1 D G Hunter - 3
LA0000000100	006558FACLT	2010	2 D G Hunter - 4
LA0000000100	00FACLT	2010	65 Hargis-Hebert Electric Generating Station - U-1
LA0000000100	00FACLT	2010	65 Hargis-Hebert Electric Generating Station - U-2
LA0000000100	001450FACLT	2010	0 Natchitoches - 10
LA0000000100	001458FACLT	2010	0 Ruston - 2
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LA0000000100	00FACLT	2010	65 T J Labbe Electric G - U -1
LA0000000100	00FACLT	2010	65 T J Labbe Electric G - U -2
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LA0000000100	055173FACLT	2010	26 Acadia Power Station - CT3
LA0000000100	055173FACLT	2010	23 Acadia Power Station - CT4
LA0000000100	055433FACLT	2010	1 Bayou Cove Peaking Power Plant - CTG1
LA0000000100	055433FACLT	2010	1 Bayou Cove Peaking Power Plant - CTG2
LA0000000100	055433FACLT	2010	1 Bayou Cove Peaking Power Plant - CTG3
LA0000000100	055433FACLT	2010	1 Bayou Cove Peaking Power Plant - CTG4
LA0000000100	001464FACLT	2010	34 Big Cajun 1 - CTG1
LA0000000100	001464FACLT	2010	22 Big Cajun 1 - CTG2
LA0000000100	001464FACLT	2010	0 Big Cajun 1 - 2B1
LA0000000100	001464FACLT	2010	0 Big Cajun 1 - 2B2
LA0000000100	055165FACLT	2010	16 Calcasieu Power, LLC -GTG1
LA0000000100	055165FACLT	2010	20 Calcasieu Power, LLC -GTG2
LA0000000100	055404FACLT	2010	81 Carville Energy Center - COG 1
LA0000000100	055404FACLT	2010	48 Carville Energy Center - COG 2
LA0000000100	001396FACLT	2010	92 Evangeline Power Station (Coughlin) - 7-2
LA0000000100	001396FACLT	2010	160 Evangeline Power Station (Coughlin) - 6-1
LA0000000100	001396FACLT	2010	94 Evangeline Power Station (Coughlin) - 7-1
LA0000000100	001391FACLT	2010	224 Exxon Mobil Louisiana 1 - 1A
LA0000000100	001391FACLT	2010	152 Exxon Mobil Louisiana 1 - 2A
LA0000000100	001391FACLT	2010	210 Exxon Mobil Louisiana 1 - 3A
LA0000000100	001391FACLT	2010	899 Exxon Mobil Louisiana 1 - 4A

LA0000000100	001391FACLT	2010	304 Exxon Mobil Louisiana 1 - 5A
LA0000000100	055419FACLT	2010	32 Plaquemine Cogen Facility - 500
LA0000000100	055419FACLT	2010	23 Plaquemine Cogen Facility - 600
LA0000000100	055419FACLT	2010	25 Plaquemine Cogen Facility - 700
LA0000000100	055419FACLT	2010	25 Plaquemine Cogen Facility - 800
LA0000000100	055467FACLT	2010	37 Quachita Power, LLC -CTGEN1
LA0000000100	055467FACLT	2010	36 Quachita Power, LLC -CTGEN2
LA0000000100	055467FACLT	2010	32 Quachita Power, LLC -CTGEN3
LA0000000100	055117FACLT	2010	0 R S Cogen - RS-4
LA0000000100	055117FACLT	2010	265 R S Cogen - RS-5
LA0000000100	055117FACLT	2010	268 R S Cogen - RS-6
LA0000000100	055089FACLT	2010	140 Taft Cogeneration Facility - CT1
LA0000000100	055089FACLT	2010	146 Taft Cogeneration Facility - CT2
LA0000000100	055089FACLT	2010	142 Taft Cogeneration Facility - CT3
LA0000000100	00FACLT	2010	641 NISCO Unit - 1A
LA0000000100	00FACLT	2010	508 NISCO Unit - 2A

35512

LA0000000100	006190FACLT	2011	331 Rodemacher Unit 1
LA0000000100	006190FACLT	2011	2664 Rodemacher Unit 2
LA0000000100	006190FACLT	2011	3558 Rodemacher Unit 3
LA0000000100	001393FACLT	2011	169 RS Nelson Unit 3
LA0000000100	001393FACLT	2011	431 RS Nelson Unit 4
LA0000000100	001393FACLT	2011	3043 RS Nelson Unit 6
LA0000000100	006055FACLT	2011	3786 Big Cajun 2 Unit 1
LA0000000100	006055FACLT	2011	3528 Big Cajun 2 Unit 2
LA0000000100	006055FACLT	2011	3398 Big Cajun 2 Unit 3
LA0000000100	006055FACLT	2011	0 Big Cajun 2 Unit 4
LA0000000100	000051FACLT	2011	3931 Dolet Hills
LA0000000100	001402FACLT	2011	156 Entergy Little Gypsy 1
LA0000000100	001402FACLT	2011	193 Entergy Little Gypsy 2
LA0000000100	001402FACLT	2011	289 Entergy Little Gypsy 3
LA0000000100	001448FACLT	2011	0 Monroe - 11
LA0000000100	001448FACLT	2011	0 Monroe - 12
LA0000000100	001403FACLT	2011	62 Entergy Ninemile Point -1
LA0000000100	001403FACLT	2011	100 Entergy Ninemile Point -2
LA0000000100	001403FACLT	2011	68 Entergy Ninemile Point -3
LA0000000100	001403FACLT	2011	771 Entergy Ninemile Point -4
LA0000000100	001403FACLT	2011	808 Entergy Ninemile Point -5
LA0000000100	055620FACLT	2011	120 Perryville Power Station CT1
LA0000000100	055620FACLT	2011	137 Perryville Power Station CT2
LA0000000100	055620FACLT	2011	2 Perryville Power Station 2CT
LA0000000100	001404FACLT	2011	15 Sterlington - 7AB
LA0000000100	001404FACLT	2011	18 Sterlington - 7C
LA0000000100	001404FACLT	2011	158 Sterlington - 10
LA0000000100	008056FACLT	2011	424 Entergy Waterford 1 & 2 - 1
LA0000000100	008056FACLT	2011	351 Entergy Waterford 1 & 2 - 2
LA0000000100	001407FACLT	2011	8 Entergy A B Paterson - 3
LA0000000100	001407FACLT	2011	6 Entergy A B Paterson - 4
LA0000000100	001409FACLT	2011	43 Entergy Michoud - 1
LA0000000100	001409FACLT	2011	215 Entergy Michoud - 2
LA0000000100	001409FACLT	2011	554 Entergy Michoud - 3
LA0000000100	001392FACLT	2011	0 Entergy Louisiana 2 - 10
LA0000000100	001392FACLT	2011	0 Entergy Louisiana 2 - 11
LA0000000100	001392FACLT	2011	0 Entergy Louisiana 2 - 12
LA0000000100	001394FACLT	2011	62 Entergy Willow Glen - 1
LA0000000100	001394FACLT	2011	102 Entergy Willow Glen - 2
LA0000000100	001394FACLT	2011	113 Entergy Willow Glen - 3
LA0000000100	001394FACLT	2011	72 Entergy Willow Glen - 4
LA0000000100	001394FACLT	2011	197 Entergy Willow Glen - 5
LA0000000100	001400FACLT	2011	10 Teche Power Station - 2
LA0000000100	001400FACLT	2011	297 Teche Power Station - 3
LA0000000100	001416FACLT	2011	45 Arsenal Hill Power Plant
LA0000000100	001417FACLT	2011	13 Lieberman Power Plant - 3

LA0000000100	001417FACLT	2011	16 Lieberman Power Plant - 4
LA0000000100	001443FACLT	2011	8 Doc Bonin - 1
LA0000000100	001443FACLT	2011	33 Doc Bonin - 2
LA0000000100	001443FACLT	2011	103 Doc Bonin - 3
LA0000000100	001449FACLT	2011	28 Morgan City Electrical Gen Facility
LA0000000100	001439FACLT	2011	7 Houma - 15
LA0000000100	001439FACLT	2011	32 Houma - 16
LA0000000100	006558FACLT	2011	1 D G Hunter - 3
LA0000000100	006558FACLT	2011	2 D G Hunter - 4
LA0000000100	00FACLT	2011	65 Hargis-Hebert Electric Generating Station - U-1
LA0000000100	00FACLT	2011	65 Hargis-Hebert Electric Generating Station - U-2
LA0000000100	001450FACLT	2011	0 Natchitoches - 10
LA0000000100	001458FACLT	2011	0 Ruston - 2
LA0000000100	001458FACLT	2011	1 Ruston - 3
LA0000000100	00FACLT	2011	65 T J Labbe Electric G - U -1
LA0000000100	00FACLT	2011	65 T J Labbe Electric G - U -2
LA0000000100	055173FACLT	2011	24 Acadia Power Station - CT1
LA0000000100	055173FACLT	2011	20 Acadia Power Station - CT2
LA0000000100	055173FACLT	2011	26 Acadia Power Station - CT3
LA0000000100	055173FACLT	2011	23 Acadia Power Station - CT4
LA0000000100	055433FACLT	2011	1 Bayou Cove Peaking Power Plant - CTG1
LA0000000100	055433FACLT	2011	1 Bayou Cove Peaking Power Plant - CTG2
LA0000000100	055433FACLT	2011	1 Bayou Cove Peaking Power Plant - CTG3
LA0000000100	055433FACLT	2011	1 Bayou Cove Peaking Power Plant - CTG4
LA0000000100	001464FACLT	2011	34 Big Cajun 1 - CTG1
LA0000000100	001464FACLT	2011	22 Big Cajun 1 - CTG2
LA0000000100	001464FACLT	2011	0 Big Cajun 1 - 2B1
LA0000000100	001464FACLT	2011	0 Big Cajun 1 - 2B2
LA0000000100	055165FACLT	2011	16 Calcasieu Power, LLC -GTG1
LA0000000100	055165FACLT	2011	20 Calcasieu Power, LLC -GTG2
LA0000000100	055404FACLT	2011	81 Carville Energy Center - COG 1
LA0000000100	055404FACLT	2011	48 Carville Energy Center - COG 2
LA0000000100	001396FACLT	2011	92 Evangeline Power Station (Coughlin) - 7-2
LA0000000100	001396FACLT	2011	160 Evangeline Power Station (Coughlin) - 6-1
LA0000000100	001396FACLT	2011	94 Evangeline Power Station (Coughlin) - 7-1
LA0000000100	001391FACLT	2011	224 Exxon Mobil Louisiana 1 - 1A
LA0000000100	001391FACLT	2011	152 Exxon Mobil Louisiana 1 - 2A
LA0000000100	001391FACLT	2011	210 Exxon Mobil Louisiana 1 - 3A
LA0000000100	001391FACLT	2011	899 Exxon Mobil Louisiana 1 - 4A
LA0000000100	001391FACLT	2011	304 Exxon Mobil Louisiana 1 - 5A
LA0000000100	055419FACLT	2011	32 Plaquemine Cogen Facility - 500
LA0000000100	055419FACLT	2011	23 Plaquemine Cogen Facility - 600
LA0000000100	055419FACLT	2011	25 Plaquemine Cogen Facility - 700
LA0000000100	055419FACLT	2011	25 Plaquemine Cogen Facility - 800
LA0000000100	055467FACLT	2011	37 Quachita Power, LLC -CTGEN1
LA0000000100	055467FACLT	2011	36 Quachita Power, LLC -CTGEN2
LA0000000100	055467FACLT	2011	32 Quachita Power, LLC -CTGEN3
LA0000000100	055117FACLT	2011	0 R S Cogen - RS-4
LA0000000100	055117FACLT	2011	265 R S Cogen - RS-5
LA0000000100	055117FACLT	2011	268 R S Cogen - RS-6
LA0000000100	055089FACLT	2011	140 Taft Cogeneration Facility - CT1
LA0000000100	055089FACLT	2011	146 Taft Cogeneration Facility - CT2
LA0000000100	055089FACLT	2011	142 Taft Cogeneration Facility - CT3
LA0000000100	00FACLT	2011	641 NISCO Unit - 1A
LA0000000100	00FACLT	2011	508 NISCO Unit - 2A

Ozone Season/Issue/Serialized/Allw

Serial	Issue	Ozone Season	Allw
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LA0000000100	006190FACLT	2009	166 Rodemacher Unit 1
LA0000000100	006190FACLT	2009	1317 Rodemacher Unit 2
LA0000000100	006190FACLT	2009	1558 Rodemacher Unit 3
LA0000000100	001393FACLT	2009	79 RS Nelson Unit 3
LA0000000100	001393FACLT	2009	219 RS Nelson Unit 4
LA0000000100	001393FACLT	2009	1497 RS Nelson Unit 6
LA0000000100	006055FACLT	2009	1708 Big Cajun 2 Unit 1
LA0000000100	006055FACLT	2009	1670 Big Cajun 2 Unit 2
LA0000000100	006055FACLT	2009	1536 Big Cajun 2 Unit 3
LA0000000100	006055FACLT	2009	0 Big Cajun 2 Unit 4
LA0000000100	000051FACLT	2009	1894 Dolet Hills
LA0000000100	001402FACLT	2009	92 Entergy Little Gypsy 1
LA0000000100	001402FACLT	2009	108 Entergy Little Gypsy 2
LA0000000100	001402FACLT	2009	176 Entergy Little Gypsy 3
LA0000000100	001448FACLT	2009	0 Monroe - 11
LA0000000100	001448FACLT	2009	0 Monroe - 12
LA0000000100	001403FACLT	2009	32 Entergy Ninemile Point -1
LA0000000100	001403FACLT	2009	51 Entergy Ninemile Point -2
LA0000000100	001403FACLT	2009	47 Entergy Ninemile Point -3
LA0000000100	001403FACLT	2009	386 Entergy Ninemile Point -4
LA0000000100	001403FACLT	2009	430 Entergy Ninemile Point -5
LA0000000100	055620FACLT	2009	77 Perryville Power Station CT1
LA0000000100	055620FACLT	2009	92 Perryville Power Station CT2
LA0000000100	055620FACLT	2009	2 Perryville Power Station 2CT
LA0000000100	001404FACLT	2009	8 Sterlington - 7AB
LA0000000100	001404FACLT	2009	9 Sterlington - 7C
LA0000000100	001404FACLT	2009	86 Sterlington - 10
LA0000000100	008056FACLT	2009	243 Entergy Waterford 1 & 2 - 1
LA0000000100	008056FACLT	2009	195 Entergy Waterford 1 & 2 - 2
LA0000000100	001407FACLT	2009	7 Entergy A B Paterson - 3
LA0000000100	001407FACLT	2009	6 Entergy A B Paterson - 4
LA0000000100	001409FACLT	2009	28 Entergy Michoud - 1
LA0000000100	001409FACLT	2009	105 Entergy Michoud - 2
LA0000000100	001409FACLT	2009	305 Entergy Michoud - 3
LA0000000100	001392FACLT	2009	0 Entergy Louisiana 2 - 10
LA0000000100	001392FACLT	2009	0 Entergy Louisiana 2 - 11
LA0000000100	001392FACLT	2009	0 Entergy Louisiana 2 - 12
LA0000000100	001394FACLT	2009	27 Entergy Willow Glen - 1
LA0000000100	001394FACLT	2009	58 Entergy Willow Glen - 2
LA0000000100	001394FACLT	2009	76 Entergy Willow Glen - 3
LA0000000100	001394FACLT	2009	59 Entergy Willow Glen - 4
LA0000000100	001394FACLT	2009	97 Entergy Willow Glen - 5
LA0000000100	001400FACLT	2009	7 Teche Power Station - 2
LA0000000100	001400FACLT	2009	173 Teche Power Station - 3
LA0000000100	001416FACLT	2009	32 Arsenal Hill Power Plant
LA0000000100	001417FACLT	2009	11 Lieberman Power Plant - 3
LA0000000100	001417FACLT	2009	14 Lieberman Power Plant - 4
LA0000000100	001443FACLT	2009	7 Doc Bonin - 1
LA0000000100	001443FACLT	2009	17 Doc Bonin - 2
LA0000000100	001443FACLT	2009	72 Doc Bonin - 3
LA0000000100	001449FACLT	2009	17 Morgan City Electrical Gen Facility
LA0000000100	001439FACLT	2009	3 Houma - 15
LA0000000100	001439FACLT	2009	19 Houma - 16
LA0000000100	006558FACLT	2009	1 D G Hunter - 3
LA0000000100	006558FACLT	2009	2 D G Hunter - 4
LA0000000100	00FACLT	2009	28 Hargis-Hebert Electric Generating Station - U-1
LA0000000100	00FACLT	2009	28 Hargis-Hebert Electric Generating Station - U-2
LA0000000100	001450FACLT	2009	0 Natchitoches - 10
LA0000000100	001458FACLT	2009	0 Ruston - 2
LA0000000100	001458FACLT	2009	0 Ruston - 3
LA0000000100	00FACLT	2009	28 T J Labbe Electric G - U -1
LA0000000100	00FACLT	2009	28 T J Labbe Electric G - U -2
LA0000000100	055173FACLT	2009	20 Acadia Power Station - CT1
LA0000000100	055173FACLT	2009	15 Acadia Power Station - CT2
LA0000000100	055173FACLT	2009	5 Acadia Power Station - CT3
LA0000000100	055173FACLT	2009	11 Acadia Power Station - CT4
LA0000000100	055433FACLT	2009	0 Bayou Cove Peaking Power Plant - CTG1
LA0000000100	055433FACLT	2009	0 Bayou Cove Peaking Power Plant - CTG2

LA0000000100	055433FACLT	2009	0 Bayou Cove Peaking Power Plant - CTG3
LA0000000100	055433FACLT	2009	0 Bayou Cove Peaking Power Plant - CTG4
LA0000000100	001464FACLT	2009	5 Big Cajun 1 - CTG1
LA0000000100	001464FACLT	2009	5 Big Cajun 1 - CTG2
LA0000000100	001464FACLT	2009	22 Big Cajun 1 - 2B1
LA0000000100	001464FACLT	2009	35 Big Cajun 1 - 2B2
LA0000000100	055165FACLT	2009	10 Calcasieu Power, LLC -GTG1
LA0000000100	055165FACLT	2009	8 Calcasieu Power, LLC -GTG2
LA0000000100	055404FACLT	2009	55 Carville Energy Center - COG 1
LA0000000100	055404FACLT	2009	35 Carville Energy Center - COG 2
LA0000000100	001396FACLT	2009	76 Evangeline Power Station (Coughlin) - 7-2
LA0000000100	001396FACLT	2009	51 Evangeline Power Station (Coughlin) - 6-1
LA0000000100	001396FACLT	2009	45 Evangeline Power Station (Coughlin) - 7-1
LA0000000100	001391FACLT	2009	78 Exxon Mobil Louisiana 1 - 1A
LA0000000100	001391FACLT	2009	45 Exxon Mobil Louisiana 1 - 2A
LA0000000100	001391FACLT	2009	76 Exxon Mobil Louisiana 1 - 3A
LA0000000100	001391FACLT	2009	368 Exxon Mobil Louisiana 1 - 4A
LA0000000100	001391FACLT	2009	127 Exxon Mobil Louisiana 1 - 5A
LA0000000100	055419FACLT	2009	34 Plaquemine Cogen Facility - 500
LA0000000100	055419FACLT	2009	22 Plaquemine Cogen Facility - 600
LA0000000100	055419FACLT	2009	29 Plaquemine Cogen Facility - 700
LA0000000100	055419FACLT	2009	38 Plaquemine Cogen Facility - 800
LA0000000100	055467FACLT	2009	13 Quachita Power, LLC -CTGEN1
LA0000000100	055467FACLT	2009	13 Quachita Power, LLC -CTGEN2
LA0000000100	055467FACLT	2009	13 Quachita Power, LLC -CTGEN3
LA0000000100	055117FACLT	2009	0 R S Cogen - RS-4
LA0000000100	055117FACLT	2009	111 R S Cogen - RS-5
LA0000000100	055117FACLT	2009	109 R S Cogen - RS-6
LA0000000100	055089FACLT	2009	77 Taft Cogeneration Facility - CT1
LA0000000100	055089FACLT	2009	67 Taft Cogeneration Facility - CT2
LA0000000100	055089FACLT	2009	76 Taft Cogeneration Facility - CT3
LA0000000100	00FACLT	2009	251 NISCO Unit - 1A
LA0000000100	00FACLT	2009	207 NISCO Unit - 2A
17085			
LA0000000100	006190FACLT	2010	166 Rodemacher Unit 1
LA0000000100	006190FACLT	2010	1317 Rodemacher Unit 2
LA0000000100	006190FACLT	2010	1558 Rodemacher Unit 3
LA0000000100	001393FACLT	2010	79 RS Nelson Unit 3
LA0000000100	001393FACLT	2010	219 RS Nelson Unit 4
LA0000000100	001393FACLT	2010	1497 RS Nelson Unit 6
LA0000000100	006055FACLT	2010	1708 Big Cajun 2 Unit 1
LA0000000100	006055FACLT	2010	1670 Big Cajun 2 Unit 2
LA0000000100	006055FACLT	2010	1536 Big Cajun 2 Unit 3
LA0000000100	006055FACLT	2010	0 Big Cajun 2 Unit 4
LA0000000100	000051FACLT	2010	1894 Dolet Hills
LA0000000100	001402FACLT	2010	92 Entergy Little Gypsy 1
LA0000000100	001402FACLT	2010	108 Entergy Little Gypsy 2
LA0000000100	001402FACLT	2010	176 Entergy Little Gypsy 3
LA0000000100	001448FACLT	2010	0 Monroe - 11
LA0000000100	001448FACLT	2010	0 Monroe - 12
LA0000000100	001403FACLT	2010	32 Entergy Ninemile Point -1
LA0000000100	001403FACLT	2010	51 Entergy Ninemile Point -2
LA0000000100	001403FACLT	2010	47 Entergy Ninemile Point -3
LA0000000100	001403FACLT	2010	386 Entergy Ninemile Point -4
LA0000000100	001403FACLT	2010	430 Entergy Ninemile Point -5
LA0000000100	055620FACLT	2010	77 Perryville Power Station CT1
LA0000000100	055620FACLT	2010	92 Perryville Power Station CT2
LA0000000100	055620FACLT	2010	2 Perryville Power Station 2CT
LA0000000100	001404FACLT	2010	8 Sterlington - 7AB
LA0000000100	001404FACLT	2010	9 Sterlington - 7C
LA0000000100	001404FACLT	2010	86 Sterlington - 10
LA0000000100	008056FACLT	2010	243 Entergy Waterford 1 & 2 - 1
LA0000000100	008056FACLT	2010	195 Entergy Waterford 1 & 2 - 2
LA0000000100	001407FACLT	2010	7 Entergy A B Paterson - 3
LA0000000100	001407FACLT	2010	6 Entergy A B Paterson - 4
LA0000000100	001409FACLT	2010	28 Entergy Michoud - 1
LA0000000100	001409FACLT	2010	105 Entergy Michoud - 2
LA0000000100	001409FACLT	2010	305 Entergy Michoud - 3
LA0000000100	001392FACLT	2010	0 Entergy Louisiana 2 - 10
LA0000000100	001392FACLT	2010	0 Entergy Louisiana 2 - 11
LA0000000100	001392FACLT	2010	0 Entergy Louisiana 2 - 12
LA0000000100	001394FACLT	2010	27 Entergy Willow Glen - 1



LA0000000100	001394FACLT	2010	58 Entergy Willow Glen - 2
LA0000000100	001394FACLT	2010	76 Entergy Willow Glen - 3
LA0000000100	001394FACLT	2010	59 Entergy Willow Glen - 4
LA0000000100	001394FACLT	2010	97 Entergy Willow Glen - 5
LA0000000100	001400FACLT	2010	7 Teche Power Station - 2
LA0000000100	001400FACLT	2010	173 Teche Power Station - 3
LA0000000100	001416FACLT	2010	32 Arsenal Hill Power Plant
LA0000000100	001417FACLT	2010	11 Lieberman Power Plant - 3
LA0000000100	001417FACLT	2010	14 Lieberman Power Plant - 4
LA0000000100	001443FACLT	2010	7 Doc Bonin - 1
LA0000000100	001443FACLT	2010	17 Doc Bonin - 2
LA0000000100	001443FACLT	2010	72 Doc Bonin - 3
LA0000000100	001449FACLT	2010	17 Morgan City Electrical Gen Facility
LA0000000100	001439FACLT	2010	3 Houma - 15
LA0000000100	001439FACLT	2010	19 Houma - 16
LA0000000100	006558FACLT	2010	1 D G Hunter - 3
LA0000000100	006558FACLT	2010	2 D G Hunter - 4
LA0000000100	00FACLT	2010	28 Hargis-Hebert Electric Generating Station - U-1
LA0000000100	00FACLT	2010	28 Hargis-Hebert Electric Generating Station - U-2
LA0000000100	001450FACLT	2010	0 Natchitoches - 10
LA0000000100	001458FACLT	2010	0 Ruston - 2
LA0000000100	001458FACLT	2010	0 Ruston - 3
LA0000000100	00FACLT	2010	28 T J Labbe Electric G - U -1
LA0000000100	00FACLT	2010	28 T J Labbe Electric G - U -2
LA0000000100	055173FACLT	2010	20 Acadia Power Station - CT1
LA0000000100	055173FACLT	2010	15 Acadia Power Station - CT2
LA0000000100	055173FACLT	2010	5 Acadia Power Station - CT3
LA0000000100	055173FACLT	2010	11 Acadia Power Station - CT4
LA0000000100	055433FACLT	2010	0 Bayou Cove Peaking Power Plant - CTG1
LA0000000100	055433FACLT	2010	0 Bayou Cove Peaking Power Plant - CTG2
LA0000000100	055433FACLT	2010	0 Bayou Cove Peaking Power Plant - CTG3
LA0000000100	055433FACLT	2010	0 Bayou Cove Peaking Power Plant - CTG4
LA0000000100	001464FACLT	2010	5 Big Cajun 1 - CTG1
LA0000000100	001464FACLT	2010	5 Big Cajun 1 - CTG2
LA0000000100	001464FACLT	2010	22 Big Cajun 1 - 2B1
LA0000000100	001464FACLT	2010	35 Big Cajun 1 - 2B2
LA0000000100	055165FACLT	2010	10 Calcasieu Power, LLC -GTG1
LA0000000100	055165FACLT	2010	8 Calcasieu Power, LLC -GTG2
LA0000000100	055404FACLT	2010	55 Carville Energy Center - COG 1
LA0000000100	055404FACLT	2010	35 Carville Energy Center - COG 2
LA0000000100	001396FACLT	2010	76 Evangeline Power Station (Coughlin) - 7-2
LA0000000100	001396FACLT	2010	51 Evangeline Power Station (Coughlin) - 6-1
LA0000000100	001396FACLT	2010	45 Evangeline Power Station (Coughlin) - 7-1
LA0000000100	001391FACLT	2010	78 Exxon Mobil Louisiana 1 - 1A
LA0000000100	001391FACLT	2010	45 Exxon Mobil Louisiana 1 - 2A
LA0000000100	001391FACLT	2010	76 Exxon Mobil Louisiana 1 - 3A
LA0000000100	001391FACLT	2010	368 Exxon Mobil Louisiana 1 - 4A
LA0000000100	001391FACLT	2010	127 Exxon Mobil Louisiana 1 - 5A
LA0000000100	055419FACLT	2010	34 Plaquemine Cogen Facility - 500
LA0000000100	055419FACLT	2010	22 Plaquemine Cogen Facility - 600
LA0000000100	055419FACLT	2010	29 Plaquemine Cogen Facility - 700
LA0000000100	055419FACLT	2010	38 Plaquemine Cogen Facility - 800
LA0000000100	055467FACLT	2010	13 Quachita Power, LLC -CTGEN1
LA0000000100	055467FACLT	2010	13 Quachita Power, LLC -CTGEN2
LA0000000100	055467FACLT	2010	13 Quachita Power, LLC -CTGEN3
LA0000000100	055117FACLT	2010	0 R S Cogen - RS-4
LA0000000100	055117FACLT	2010	111 R S Cogen - RS-5
LA0000000100	055117FACLT	2010	109 R S Cogen - RS-6
LA0000000100	055089FACLT	2010	77 Taft Cogeneration Facility - CT1
LA0000000100	055089FACLT	2010	67 Taft Cogeneration Facility - CT2
LA0000000100	055089FACLT	2010	76 Taft Cogeneration Facility - CT3
LA0000000100	00FACLT	2010	251 NISCO Unit - 1A
LA0000000100	00FACLT	2010	207 NISCO Unit - 2A
17085			
LA0000000100	006190FACLT	2011	166 Rodemacher Unit 1
LA0000000100	006190FACLT	2011	1317 Rodemacher Unit 2
LA0000000100	006190FACLT	2011	1558 Rodemacher Unit 3
LA0000000100	001393FACLT	2011	79 RS Nelson Unit 3
LA0000000100	001393FACLT	2011	219 RS Nelson Unit 4
LA0000000100	001393FACLT	2011	1497 RS Nelson Unit 6
LA0000000100	006055FACLT	2011	1708 Big Cajun 2 Unit 1
LA0000000100	006055FACLT	2011	1670 Big Cajun 2 Unit 2

Ozone SeasonIssueSerializedAllw

LA0000000100	006055FACLT	2011	1536 Big Cajun 2 Unit 3
LA0000000100	006055FACLT	2011	0 Big Cajun 2 Unit 4
LA0000000100	000051FACLT	2011	1894 Dolet Hills
LA0000000100	001402FACLT	2011	92 Entergy Little Gypsy 1
LA0000000100	001402FACLT	2011	108 Entergy Little Gypsy 2
LA0000000100	001402FACLT	2011	176 Entergy Little Gypsy 3
LA0000000100	001448FACLT	2011	0 Monroe - 11
LA0000000100	001448FACLT	2011	0 Monroe - 12
LA0000000100	001403FACLT	2011	32 Entergy Ninemile Point -1
LA0000000100	001403FACLT	2011	51 Entergy Ninemile Point -2
LA0000000100	001403FACLT	2011	47 Entergy Ninemile Point -3
LA0000000100	001403FACLT	2011	386 Entergy Ninemile Point -4
LA0000000100	001403FACLT	2011	430 Entergy Ninemile Point -5
LA0000000100	055620FACLT	2011	77 Perryville Power Station CT1
LA0000000100	055620FACLT	2011	92 Perryville Power Station CT2
LA0000000100	055620FACLT	2011	2 Perryville Power Station 2CT
LA0000000100	001404FACLT	2011	8 Sterlington - 7AB
LA0000000100	001404FACLT	2011	9 Sterlington - 7C
LA0000000100	001404FACLT	2011	86 Sterlington - 10
LA0000000100	008056FACLT	2011	243 Entergy Waterford 1 & 2 - 1
LA0000000100	008056FACLT	2011	195 Entergy Waterford 1 & 2 - 2
LA0000000100	001407FACLT	2011	7 Entergy A B Paterson - 3
LA0000000100	001407FACLT	2011	6 Entergy A B Paterson - 4
LA0000000100	001409FACLT	2011	28 Entergy Michoud - 1
LA0000000100	001409FACLT	2011	105 Entergy Michoud - 2
LA0000000100	001409FACLT	2011	305 Entergy Michoud - 3
LA0000000100	001392FACLT	2011	0 Entergy Louisiana 2 - 10
LA0000000100	001392FACLT	2011	0 Entergy Louisiana 2 - 11
LA0000000100	001392FACLT	2011	0 Entergy Louisiana 2 - 12
LA0000000100	001394FACLT	2011	27 Entergy Willow Glen - 1
LA0000000100	001394FACLT	2011	58 Entergy Willow Glen - 2
LA0000000100	001394FACLT	2011	76 Entergy Willow Glen - 3
LA0000000100	001394FACLT	2011	59 Entergy Willow Glen - 4
LA0000000100	001394FACLT	2011	97 Entergy Willow Glen - 5
LA0000000100	001400FACLT	2011	7 Teche Power Station - 2
LA0000000100	001400FACLT	2011	173 Teche Power Station - 3
LA0000000100	001416FACLT	2011	32 Arsenal Hill Power Plant
LA0000000100	001417FACLT	2011	11 Lieberman Power Plant - 3
LA0000000100	001417FACLT	2011	14 Lieberman Power Plant - 4
LA0000000100	001443FACLT	2011	7 Doc Bonin - 1
LA0000000100	001443FACLT	2011	17 Doc Bonin - 2
LA0000000100	001443FACLT	2011	72 Doc Bonin - 3
LA0000000100	001449FACLT	2011	17 Morgan City Electrical Gen Facility
LA0000000100	001439FACLT	2011	3 Houma - 15
LA0000000100	001439FACLT	2011	19 Houma - 16
LA0000000100	006558FACLT	2011	1 D G Hunter - 3
LA0000000100	006558FACLT	2011	2 D G Hunter - 4
LA0000000100	00FACLT	2011	28 Hargis-Hebert Electric Generating Station - U-1
LA0000000100	00FACLT	2011	28 Hargis-Hebert Electric Generating Station - U-2
LA0000000100	001450FACLT	2011	0 Natchitoches - 10
LA0000000100	001458FACLT	2011	0 Ruston - 2
LA0000000100	001458FACLT	2011	0 Ruston - 3
LA0000000100	00FACLT	2011	28 T J Labbe Electric G - U -1
LA0000000100	00FACLT	2011	28 T J Labbe Electric G - U -2
LA0000000100	055173FACLT	2011	20 Acadia Power Station - CT1
LA0000000100	055173FACLT	2011	15 Acadia Power Station - CT2
LA0000000100	055173FACLT	2011	5 Acadia Power Station - CT3
LA0000000100	055173FACLT	2011	11 Acadia Power Station - CT4
LA0000000100	055433FACLT	2011	0 Bayou Cove Peaking Power Plant - CTG1
LA0000000100	055433FACLT	2011	0 Bayou Cove Peaking Power Plant - CTG2
LA0000000100	055433FACLT	2011	0 Bayou Cove Peaking Power Plant - CTG3
LA0000000100	055433FACLT	2011	0 Bayou Cove Peaking Power Plant - CTG4
LA0000000100	001464FACLT	2011	5 Big Cajun 1 - CTG1
LA0000000100	001464FACLT	2011	5 Big Cajun 1 - CTG2
LA0000000100	001464FACLT	2011	22 Big Cajun 1 - 2B1
LA0000000100	001464FACLT	2011	35 Big Cajun 1 - 2B2
LA0000000100	055165FACLT	2011	10 Calcasieu Power, LLC -GTG1
LA0000000100	055165FACLT	2011	8 Calcasieu Power, LLC -GTG2
LA0000000100	055404FACLT	2011	55 Carville Energy Center - COG 1
LA0000000100	055404FACLT	2011	35 Carville Energy Center - COG 2
LA0000000100	001396FACLT	2011	76 Evangeline Power Station (Coughlin) - 7-2
LA0000000100	001396FACLT	2011	51 Evangeline Power Station (Coughlin) - 6-1

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LA0000000100	001396FACLT	2011	45 Evangeline Power Station (Coughlin) - 7-1
LA0000000100	001391FACLT	2011	78 Exxon Mobil Louisiana 1 - 1A
LA0000000100	001391FACLT	2011	45 Exxon Mobil Louisiana 1 - 2A
LA0000000100	001391FACLT	2011	76 Exxon Mobil Louisiana 1 - 3A
LA0000000100	001391FACLT	2011	368 Exxon Mobil Louisiana 1 - 4A
LA0000000100	001391FACLT	2011	127 Exxon Mobil Louisiana 1 - 5A
LA0000000100	055419FACLT	2011	34 Plaquemine Cogen Facility - 500
LA0000000100	055419FACLT	2011	22 Plaquemine Cogen Facility - 600
LA0000000100	055419FACLT	2011	29 Plaquemine Cogen Facility - 700
LA0000000100	055419FACLT	2011	38 Plaquemine Cogen Facility - 800
LA0000000100	055467FACLT	2011	13 Quachita Power, LLC -CTGEN1
LA0000000100	055467FACLT	2011	13 Quachita Power, LLC -CTGEN2
LA0000000100	055467FACLT	2011	13 Quachita Power, LLC -CTGEN3
LA0000000100	055117FACLT	2011	0 R S Cogen - RS-4
LA0000000100	055117FACLT	2011	111 R S Cogen - RS-5
LA0000000100	055117FACLT	2011	109 R S Cogen - RS-6
LA0000000100	055089FACLT	2011	77 Taft Cogeneration Facility - CT1
LA0000000100	055089FACLT	2011	67 Taft Cogeneration Facility - CT2
LA0000000100	055089FACLT	2011	76 Taft Cogeneration Facility - CT3
LA0000000100	00FACLT	2011	251 NISCO Unit - 1A
LA0000000100	00FACLT	2011	207 NISCO Unit - 2A

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	Unit		Average (2002- 2004)	Allocation	
	Type	Capacity (MW)	NOx (tons)	NOx (tons)	
Acadia Power Station-CT1	IPP	171	24	24	24
Acadia Power Station-CT2	IPP	171	20	20	20
Acadia Power Station-CT3	IPP	171	26	26	26
Acadia Power Station-CT4	IPP	171	23	23	23
Acadia Power Station-ST1	IPP	190	-	-	-
Acadia Power Station-ST2	IPP	190	-	-	-
Bayou Cove Peaking Power Plant					
Bayou Cove Peaking Power Plant-CTG-1	IPP	75	1	1	1
Bayou Cove Peaking Power Plant-CTG-2	IPP	75	1	1	1
Bayou Cove Peaking Power Plant-CTG-3	IPP	75	1	1	1
Bayou Cove Peaking Power Plant-CTG-4	IPP	75	1	1	1
Big Cajun 1					
Big Cajun 1-CTG2	IPP	105	22	22	22
Big Cajun 1-CTG1	IPP	105	34	34	34
Big Cajun 1-2B1	IPP	110	-	-	-
Big Cajun 1-2B2	IPP	110	-	-	-
Calcasieu Power, LLC					
Calcasieu Power, LLC-GTG2	IPP	160	20	20	20
Calcasieu Power, LLC-GTG1	IPP	150	16	16	16
Carville Energy Center					
Carville Energy Center-COG01	Cogen	180	81	81	81
Carville Energy Center-COG02	Cogen	180	48	48	48
Evangeline Power Station					
Evangeline Power Station (Coughlin)-7-2	IPP	154	92	92	92
Evangeline Power Station (Coughlin)-7-1	IPP	154	94	94	94
Evangeline Power Station (Coughlin)-6-1	IPP	157	160	160	160
Exxon Mobil					
Louisiana 1-1A	Cogen	133	224	224	224
Louisiana 1-3A	Cogen	133	210	210	210
Louisiana 1-2A	Cogen	133	152	152	152
Louisiana 1-4A	Cogen	247	899	899	899
Louisiana 1-5A	Cogen	154	304	304	304
Plaquemine Cogen Facility					
Plaquemine Cogen Facility-500	Cogen	169	32	32	32
Plaquemine Cogen Facility-800	Cogen	169	25	25	25
Plaquemine Cogen Facility-700	Cogen	169	25	25	25
Plaquemine Cogen Facility-600	Cogen	169	23	23	23
Quachita Power, LLC					
Quachita Power, LLC-CTGEN1	IPP	161	37	37	37
Quachita Power, LLC-CTGEN2	IPP	161	36	36	36
Quachita Power, LLC-CTGEN3	IPP	161	32	32	32
Quachita Power, LLC-ST1	IPP	111	-	-	-
Quachita Power, LLC-ST2	IPP	111	-	-	-
Quachita Power, LLC-ST3	IPP	111	-	-	-
R S Cogen					
R S Cogen-RS-5	Cogen	168	265	265	265
R S Cogen-RS-6	Cogen	168	268	268	268
R S Cogen-RS-4	Cogen	60	-	-	-
Taft Cogeneration Facility					
Taft Cogeneration Facility-CT2	Cogen	155	146	146	146
Taft Cogeneration Facility-CT1	Cogen	155	140	140	140
Taft Cogeneration Facility-CT3	Cogen	155	142	142	142
NISCO					
Unit 1A	Cogen	130	641	641	641
Unit 2A	Cogen	130	508	508	508
			4771.668	4772	4773

Note: non-regulated facilities allowances are based on Nox emissions from previous years. See LAC 33:III.506.A

		Unit	Heat Input (MMBtu)			Average	Fuel	Adjusted	Allocation			
		Type	Capacity	2002	2003	2004	2002-04	Adjustment	Heat	Percent	2009	
			(MW)				(MMBtu)		(MMBtu)	of Total	Allowance	
										(%)	---(tons)---	
UTILITY - COAL												
EGSI	R S Nelson-6	UT	550	40,107,832	35,780,852	41,291,126	39,059,937	1.0	39,059,937	9.9%	3,043	3,043
CLECO	Dolet Hills Power Station-1	UT	650	47,370,461	51,798,486	52,218,328	50,462,425	1.0	50,462,425	12.8%	3,931	3,931
CLECO	Rodemacher Power Station (8190)-2	UT	523	33,458,655	34,534,633	34,607,396	34,200,228	1.0	34,200,228	8.7%	2,664	2,664
CLECO	Rodemacher Power Station (6190)-3	UT	660						45,674,640	11.6%	3,558	3,558
Big Cajun 2	Big Cajun 2-2B3	UT	575	39,957,661	41,693,864	49,203,570	43,818,365	1.0	43,818,365	11.1%	3,398	3,398
Big Cajun 2	Big Cajun 2-2B1	UT	580	50,644,765	46,045,445	49,099,171	48,596,460	1.0	48,596,460	12.3%	3,786	3,786
Big Cajun 2	Big Cajun 2-2B2	UT	575	44,799,298	49,456,975	41,579,245	45,278,506	1.0	45,278,506	11.5%	3,528	3,528
Big Cajun 2	Big Cajun 2-2B4	UT	-						-	0.0%	-	-
UTILITY - GAS												
ELL	Little Gypsy-1	UT	238	6,002,666	5,347,176	3,631,164	4,993,669	0.4	1,997,467	0.5%	156	156
ELL	Little Gypsy-2	UT	415	6,526,815	5,553,625	6,506,733	6,195,724	0.4	2,478,290	0.6%	193	193
ELL	Little Gypsy-3	UT	545	15,599,579	5,595,526	6,650,749	9,281,951	0.4	3,712,781	0.9%	289	289
ELL	Monroe-11	UT	33	5,301	-	649	1,983	0.4	793	0.0%	0	-
ELL	Monroe-12	UT	72	-	-	-	-	0.4	-	0.0%	-	-
ELL	Ninemile Point-1	UT	50	2,101,666	1,468,754	2,371,057	1,990,492	0.4	792,197	0.2%	62	62
ELL	Ninemile Point-2	UT	80	4,229,985	2,319,616	3,091,392	3,213,864	0.4	1,285,466	0.3%	100	100
ELL	Ninemile Point-3	UT	125	2,292,532	2,054,435	2,159,066	2,168,678	0.4	867,471	0.2%	68	68
ELL	Ninemile Point-4	UT	730	28,715,108	26,013,125	19,501,895	24,743,376	0.4	9,897,350	2.5%	771	771
ELL	Ninemile Point-5	UT	740	31,508,173	17,950,398	28,370,812	25,943,060	0.4	10,377,224	2.8%	808	808
ELL	Perryville Power Station-2CT	UT	156	28,058	46,290	102,816	59,055	0.4	23,622	0.0%	2	2
ELL	Perryville Power Station-CT1	UT	169	2,173,910	3,071,465	6,339,447	3,861,607	0.4	1,544,643	0.4%	120	120
ELL	Perryville Power Station-CT2	UT	169	3,544,553	3,071,599	6,594,656	4,403,603	0.4	1,781,441	0.4%	137	137
ELL	Sterlington-10	UT	225	9,184,867	4,380,681	1,688,158	5,084,562	0.4	2,033,825	0.5%	158	158
ELL	Sterlington-7AB	UT	94	797,616	533,306	152,605	494,576	0.4	197,830	0.1%	15	15
ELL	Sterlington-7C	UT	93	971,079	501,684	255,184	575,982	0.4	230,393	0.1%	18	18
ELL	Waterford 1 & 2-1	UT	411	11,882,651	15,106,947	13,832,353	13,607,317	0.4	5,442,927	1.4%	424	424
ELL	Waterford 1 & 2-2	UT	411	10,107,024	10,176,482	13,468,847	11,250,784	0.4	4,500,314	1.1%	351	351
ENO	A B Paterson-3	UT	50	611,133	-	148,262	253,132	0.4	101,253	0.0%	8	8
ENO	A B Paterson-4	UT	72	573,780	-	-	191,260	0.4	78,504	0.0%	6	6
ENO	Michoud-1	UT	65	1,408,510	934,531	1,782,600	1,375,214	0.4	550,085	0.1%	43	43
ENO	Michoud-2	UT	244	6,730,065	9,243,544	4,745,143	6,906,251	0.4	2,762,500	0.7%	215	215
ENO	Michoud-3	UT	545	20,730,139	14,149,906	18,438,086	17,772,710	0.4	7,109,084	1.8%	554	554
EGSI	Louisiana 2-10	UT	40	1,842	-	1,841	1,228	0.4	491	0.0%	0	-
EGSI	Louisiana 2-11	UT	40	1,304	-	2,078	1,127	0.4	451	0.0%	0	-
EGSI	Louisiana 2-12	UT	60	9,010	-	5,429	4,813	0.4	1,925	0.0%	0	-
EGSI	R S Nelson-3	UT	153	6,200,274	5,526,387	4,564,879	5,430,513	0.4	2,172,205	0.6%	169	169
EGSI	R S Nelson-4	UT	500	19,129,618	10,604,080	11,748,343	13,827,347	0.4	5,530,939	1.4%	431	431
EGSI	Willow Glen-1	UT	152	3,072,757	2,052,306	822,369	1,982,477	0.4	792,991	0.2%	62	62
EGSI	Willow Glen-2	UT	205	4,497,247	2,647,984	2,659,087	3,268,106	0.4	1,307,242	0.3%	102	102
EGSI	Willow Glen-3	UT	450	10,769,351	-	137,718	3,835,690	0.4	1,454,276	0.4%	113	113
EGSI	Willow Glen-4	UT	540	4,193,486	2,605,807	104,499	2,301,285	0.4	920,506	0.2%	72	72
EGSI	Willow Glen-5	UT	485	13,608,719	3,250,188	2,104,071	6,320,993	0.4	2,528,397	0.6%	197	197
CLECO	Rodemacher Power Station-1	UT	440	15,199,306	8,840,100	8,026,577	10,621,994	0.4	4,248,798	1.1%	331	331
CLECO	Teche Power Station-2	UT	48	222,638	39,150	687,344	318,377	0.4	126,551	0.0%	10	10
CLECO	Teche Power Station-3	UT	359	8,367,434	11,590,752	8,668,416	9,542,201	0.4	3,816,880	1.0%	297	297
SWEP	Arsenal Hill Power Plant-5A	UT	110	1,575,214	1,374,073	1,422,206	1,457,164	0.4	582,866	0.1%	45	45
SWPCO	Lieberman Power Plant-4	UT	108	690,443	708,134	136,307	511,628	0.4	204,651	0.1%	16	16
SWPCO	Lieberman Power Plant-3	UT	112	618,655	582,683	71,300	424,213	0.4	169,685	0.0%	13	13
MUNICIPAL - GAS												
Lafayette Util	Doc Bonin-2	Muni	84	616,505	773,634	1,754,442	1,048,194	0.4	419,277	0.1%	33	33
Morgan City	Morgan City Electrical Gen Facility-4	Muni	36	949,573	768,217	1,009,764	909,185	0.4	363,674	0.1%	28	28
Lafayette Util	Doc Bonin-3	Muni	173	4,157,600	2,844,532	3,151,399	3,317,844	0.4	1,327,137	0.3%	103	103

	Unit	Average (2002- 2004)	Allocation	
	Type	Capacity (MW)	NOx (tons)	NOx (tons)
Acadia Power Station-CT1	IPP	171	24	24
Acadia Power Station-CT2	IPP	171	20	20
Acadia Power Station-CT3	IPP	171	26	26
Acadia Power Station-CT4	IPP	171	23	23
Acadia Power Station-ST1	IPP	190	-	-
Acadia Power Station-ST2	IPP	190	-	-
Bayou Cove Peaking Power Plant				
Bayou Cove Peaking Power Plant-CTG-1	IPP	75	1	1
Bayou Cove Peaking Power Plant-CTG-2	IPP	75	1	1
Bayou Cove Peaking Power Plant-CTG-3	IPP	75	1	1
Bayou Cove Peaking Power Plant-CTG-4	IPP	75	1	1
Big Cajun 1				
Big Cajun 1-CTG2	IPP	105	22	22
Big Cajun 1-CTG1	IPP	105	34	34
Big Cajun 1-2B1	IPP	110	-	-
Big Cajun 1-2B2	IPP	110	-	-
Calcasieu Power, LLC				
Calcasieu Power, LLC-GTG2	IPP	160	20	20
Calcasieu Power, LLC-GTG1	IPP	150	16	16
Carville Energy Center				
Carville Energy Center-COG01	Cogen	180	81	81
Carville Energy Center-COG02	Cogen	180	48	48
Evangeline Power Station				
Evangeline Power Station (Coughlin)-7-2	IPP	154	92	92
Evangeline Power Station (Coughlin)-7-1	IPP	154	94	94
Evangeline Power Station (Coughlin)-6-1	IPP	157	160	160
Exxon Mobil				
Louisiana 1-1A	Cogen	133	224	224
Louisiana 1-3A	Cogen	133	210	210
Louisiana 1-2A	Cogen	133	152	152
Louisiana 1-4A	Cogen	247	899	899
Louisiana 1-5A	Cogen	154	304	304
Plaquemine Cogen Facility				
Plaquemine Cogen Facility-500	Cogen	169	32	32
Plaquemine Cogen Facility-800	Cogen	169	25	25
Plaquemine Cogen Facility-700	Cogen	169	25	25
Plaquemine Cogen Facility-600	Cogen	169	23	23
Quachita Power, LLC				
Quachita Power, LLC-CTGEN1	IPP	161	37	37
Quachita Power, LLC-CTGEN2	IPP	161	36	36
Quachita Power, LLC-CTGEN3	IPP	161	32	32
Quachita Power, LLC-ST1	IPP	111	-	-
Quachita Power, LLC-ST2	IPP	111	-	-
Quachita Power, LLC-ST3	IPP	111	-	-
R S Cogen				
R S Cogen-RS-5	Cogen	168	265	265
R S Cogen-RS-6	Cogen	168	268	268
R S Cogen-RS-4	Cogen	60	-	-
Taft Cogeneration Facility				
Taft Cogeneration Facility-CT2	Cogen	155	146	146
Taft Cogeneration Facility-CT1	Cogen	155	140	140
Taft Cogeneration Facility-CT3	Cogen	155	142	142
NISCO				
Unit 1A	Cogen	130	641	641
Unit 2A	Cogen	130	508	508
			4771.668	4772
				4773

Note: non-regulated facilities allowances are based on Nox emissions from previous years. See LAC 33:III.506.A

	Unit		Average (2002- 2004)	Allocation	
	Type	Capacity (MW)	NOx (tons)	NOx (tons)	
Acadia Power Station-CT1	IPP	171	24	24	24
Acadia Power Station-CT2	IPP	171	20	20	20
Acadia Power Station-CT3	IPP	171	26	26	26
Acadia Power Station-CT4	IPP	171	23	23	23
Acadia Power Station-ST1	IPP	190	-	-	
Acadia Power Station-ST2	IPP	190	-	-	
Bayou Cove Peaking Power Plant					
Bayou Cove Peaking Power Plant-CTG-1	IPP	75	1	1	1
Bayou Cove Peaking Power Plant-CTG-2	IPP	75	1	1	1
Bayou Cove Peaking Power Plant-CTG-3	IPP	75	1	1	1
Bayou Cove Peaking Power Plant-CTG-4	IPP	75	1	1	1
Big Cajun 1					
Big Cajun 1-CTG2	IPP	105	22	22	22
Big Cajun 1-CTG1	IPP	105	34	34	34
Big Cajun 1-2B1	IPP	110	-	-	
Big Cajun 1-2B2	IPP	110	-	-	
Calcasieu Power, LLC					
Calcasieu Power, LLC-GTG2	IPP	160	20	20	20
Calcasieu Power, LLC-GTG1	IPP	150	16	16	16
Carville Energy Center					
Carville Energy Center-COG01	Cogen	180	81	81	81
Carville Energy Center-COG02	Cogen	180	48	48	48
Evangeline Power Station					
Evangeline Power Station (Coughlin)-7-2	IPP	154	92	92	92
Evangeline Power Station (Coughlin)-7-1	IPP	154	94	94	94
Evangeline Power Station (Coughlin)-6-1	IPP	157	160	160	160
Exxon Mobil					
Louisiana 1-1A	Cogen	133	224	224	224
Louisiana 1-3A	Cogen	133	210	210	210
Louisiana 1-2A	Cogen	133	152	152	152
Louisiana 1-4A	Cogen	247	899	899	899
Louisiana 1-5A	Cogen	154	304	304	304
Plaquemine Cogen Facility					
Plaquemine Cogen Facility-500	Cogen	169	32	32	32
Plaquemine Cogen Facility-800	Cogen	169	25	25	25
Plaquemine Cogen Facility-700	Cogen	169	25	25	25
Plaquemine Cogen Facility-600	Cogen	169	23	23	23
Quachita Power, LLC					
Quachita Power, LLC-CTGEN1	IPP	161	37	37	37
Quachita Power, LLC-CTGEN2	IPP	161	36	36	36
Quachita Power, LLC-CTGEN3	IPP	161	32	32	32
Quachita Power, LLC-ST1	IPP	111	-	-	
Quachita Power, LLC-ST2	IPP	111	-	-	
Quachita Power, LLC-ST3	IPP	111	-	-	
R S Cogen					
R S Cogen-RS-5	Cogen	168	265	265	265
R S Cogen-RS-6	Cogen	168	268	268	268
R S Cogen-RS-4	Cogen	60	-	-	
Taft Cogeneration Facility					
Taft Cogeneration Facility-CT2	Cogen	155	146	146	146
Taft Cogeneration Facility-CT1	Cogen	155	140	140	140
Taft Cogeneration Facility-CT3	Cogen	155	142	142	142
NISCO Unit 1A	Cogen	130	641	641	641
Unit 2A	Cogen	130	508	508	508
			4771.668	4772	4773

Note: non-regulated facilities allowances are based on Nox emissions from previous years. See LAC 33:III.506.A

		Unit	Heat Input (MMBtu)			Average	Fuel	Adjusted	Allocation			
		Type	Capacity	2002	2003	2004	2002-04	Heat	Percent	2008		
		(MW)					(MMBtu)	Input	of Total	Allowance		
								(MMBtu)	(%)	---(tons)---		
										30,742		
Terrebonne	Houma--15	Muni	24	68,225	94,778	472,848	211,950	0.4	84,780	0.0%	7	7
Terrebonne	Houma--16	Muni	39	1,140,443	1,084,308	632,525	1,019,092	0.4	407,637	0.1%	32	32
Lafayette Util	Doc Bonin--1	Muni	45	44,707	63,664	705,677	271,349	0.4	108,540	0.0%	8	8
City of Alexar	D G Hunter--3	Muni	47	46,873	85,532	-	44,135	0.4	17,654	0.0%	1	1
City of Alexar	D G Hunter--4	Muni	78	77,568	160,824	-	79,497	0.4	31,799	0.0%	2	2
Lafayette Util	Hargis-Hebert Electric Generating Station--U-1	Muni	14					0.4	830,317	0.2%	65	65
Lafayette Util	Hargis-Hebert Electric Generating Station--U-2	Muni	14					0.4	830,317	0.2%	65	65
	Natchitoches--10	Muni	26	2,027	22,065	17,141	13,744	0.4	5,498	0.0%	0	
City of Ruston	Ruston--2	Muni	25	8,935	11,828	-	6,921	0.4	2,768	0.0%	0	
City of Ruston	Ruston--3	Muni	40	59,740	11,281	-	23,674	0.4	9,469	0.0%	1	1
Lafayette Util	T J Labbe Electric G--U-1	Muni	14					0.4	830,317	0.2%	65	65
Lafayette Util	T J Labbe Electric G--U-2	Muni	14					0.4	830,317	0.2%	65	65
											30,742	
Total:								394,592,376	100.0%			30,739

Note: regulated facilities allowances are based on previous heat inputs. See LAC 33:III.506.A. After 2014, 35512 in cell U6 changes to 29593

Note: regulated facilities allowances are based on previous heat inputs. See LAC 33:III.506.A. After 2014, 35512 in cell U6 changes to 29593



		Unit		Average (2002- 2004)	Allocation	
		Type	Capacity (MW)	NOx (tons)	NOx (tons)	
	Acadia Power Station--CT1	IPP	171	20	20	20
	Acadia Power Station--CT2	IPP	171	15	15	15
	Acadia Power Station--CT3	IPP	171	5	5	5
	Acadia Power Station--CT4	IPP	171	11	11	11
	Acadia Power Station--ST1	IPP	190	-	-	
	Acadia Power Station--ST2	IPP	190	-	-	
	Bayou Cove Peaking Power Plant					
	Bayou Cove Peaking Power Plant--CTG-1	IPP	75	-	-	
	Bayou Cove Peaking Power Plant--CTG-2	IPP	75	-	-	
	Bayou Cove Peaking Power Plant--CTG-3	IPP	75	-	-	
	Bayou Cove Peaking Power Plant--CTG-4	IPP	75	-	-	
	Big Cajun 1					
	Big Cajun 1--CTG2	IPP	105	5	5	5
	Big Cajun 1--CTG1	IPP	105	5	5	5
	Big Cajun 1--2B1	IPP	110	22	22	22
	Big Cajun 1--2B2	IPP	110	35	35	35
	Calcasieu Power, LLC					
	Calcasieu Power, LLC--GTG2	IPP	160	8	8	8
	Calcasieu Power, LLC--GTG1	IPP	150	10	10	10
	Carville Energy Center					
	Carville Energy Center--COG01	Cogen	180	55	55	55
	Carville Energy Center--COG02	Cogen	180	35	35	35
	Evangeline Power Station					
	Evangeline Power Station (Coughlin)--7-2	IPP	154	76	76	76
	Evangeline Power Station (Coughlin)--7-1	IPP	154	45	45	45
	Evangeline Power Station (Coughlin)--6-1	IPP	157	51	51	51
	Exxon Mobil					
	Louisiana 1--1A	Cogen	133	78	78	78
	Louisiana 1--3A	Cogen	133	76	76	76
	Louisiana 1--2A	Cogen	133	45	45	45
	Louisiana 1--4A	Cogen	247	368	368	368
	Louisiana 1--5A	Cogen	154	127	127	127
	Plaquemine Cogen Facility					
	Plaquemine Cogen Facility--500	Cogen	169	34	34	34
	Plaquemine Cogen Facility--800	Cogen	169	38	38	38
	Plaquemine Cogen Facility--700	Cogen	169	29	29	29
	Plaquemine Cogen Facility--600	Cogen	169	22	22	22
	Quachita Power, LLC					
	Quachita Power, LLC--CTGEN1	IPP	161	13	13	13
	Quachita Power, LLC--CTGEN2	IPP	161	13	13	13
	Quachita Power, LLC--CTGEN3	IPP	161	13	13	13
	Quachita Power, LLC--ST1	IPP	111	-	-	
	Quachita Power, LLC--ST2	IPP	111	-	-	
	Quachita Power, LLC--ST3	IPP	111	-	-	
	R S Cogen					
	R S Cogen--RS-5	Cogen	168	111	111	111
	R S Cogen--RS-6	Cogen	168	109	109	109
	R S Cogen--RS-4	Cogen	60	-	-	

Taft Cogeneration Facility						
	Taft Cogeneration Facility--CT2	Cogen	155	67	67	67
	Taft Cogeneration Facility--CT1	Cogen	155	77	77	77
	Taft Cogeneration Facility--CT3	Cogen	155	76	76	76
NISCO	Unit 1A	Cogen	130	251	251	251
	Unit 2A	Cogen	130	207	207	207
				2152,000	2152	2152

		Unit	Heat Input (MMBtu)			Average	Fuel	Adjusted	Final Allocation		
		Type	Capacity	2002	2003	2004	2002-04	Adjustment	Heat	Percent	2009
			(MW)				(MMBtu)		Input	of Total	Allowance
									(MMBtu)	(%)	—(tons)—
											14,935
UTILITY - COAL											
EGSI	R S Nelson-6	UT	550	15,541,714	18,165,807	21,177,831	18,295,117	1.0	18,295,117	10.0%	1,497
CLECO	Dolet Hills Power Station-1	UT	650	23,241,711	22,767,923	23,396,465	23,135,366	1.0	23,135,366	12.7%	1,894
CLECO	Rodemacher Power Station (6190)-2	UT	523	16,896,497	14,428,904	16,941,310	16,088,904	1.0	16,088,904	8.8%	1,317
CLECO	Rodemacher Power Station (6190)-3	UT	600						19,031,100	10.4%	1,558
Big Cajun 2	Big Cajun 2-2B3	UT	575	19,795,260	16,466,365	20,029,355	18,763,660	1.0	18,763,660	10.3%	1,536
Big Cajun 2	Big Cajun 2-2B1	UT	580	20,205,423	21,492,727	20,896,247	20,864,799	1.0	20,864,799	11.4%	1,708
Big Cajun 2	Big Cajun 2-2B2	UT	575	19,233,510	20,252,509	21,732,472	20,406,164	1.0	20,406,164	11.2%	1,670
Big Cajun 2	Big Cajun 2-2B4	UT	675						-	0.0%	-
UTILITY - GAS											
ELL	Little Gypsy-1	UT	238	3,620,785	2,279,462	2,502,906	2,801,051	0.4	1,120,420	0.6%	92
ELL	Little Gypsy-2	UT	415	3,292,320	3,204,449	3,444,517	3,313,762	0.4	1,325,505	0.7%	108
ELL	Little Gypsy-3	UT	545	8,263,563	4,905,359	2,996,657	5,388,526	0.4	2,155,411	1.2%	176
ELL	Monroe-11	UT	33	5,301	-	649	1,983	0.4	793	0.0%	0
ELL	Monroe-12	UT	72	-	-	-	-	0.4	-	0.0%	-
ELL	Ninemile Point-1	UT	50	1,050,254	675,060	1,216,860	980,725	0.4	392,290	0.2%	32
ELL	Ninemile Point-2	UT	60	1,984,646	1,233,059	1,468,834	1,561,513	0.4	624,605	0.3%	51
ELL	Ninemile Point-3	UT	125	1,649,528	1,307,474	1,388,924	1,448,642	0.4	579,457	0.3%	47
ELL	Ninemile Point-4	UT	730	13,930,203	10,443,719	11,021,974	11,798,632	0.4	4,719,453	2.6%	386
ELL	Ninemile Point-5	UT	740	15,721,954	9,102,410	14,604,418	13,142,927	0.4	5,257,171	2.9%	430
ELL	Perryville Power Station-2CT	UT	156	28,058	46,280	80,298	51,549	0.4	20,619	0.0%	2
ELL	Perryville Power Station-CT1	UT	169	1,994,363	1,974,419	3,056,990	2,341,924	0.4	936,770	0.5%	77
ELL	Perryville Power Station-CT2	UT	169	3,361,696	1,908,889	3,148,914	2,806,500	0.4	1,122,600	0.6%	92
ELL	Sterlington-10	UT	225	4,247,405	2,225,278	1,410,409	2,627,697	0.4	1,051,079	0.6%	86
ELL	Sterlington-7AB	UT	94	565,415	148,131	59,594	257,713	0.4	103,085	0.1%	8
ELL	Sterlington-7C	UT	93	627,841	157,590	77,708	287,713	0.4	115,085	0.1%	9
ELL	Waterford 1 & 2-1	UT	411	7,094,866	6,634,059	8,562,022	7,430,316	0.4	2,972,126	1.6%	243
ELL	Waterford 1 & 2-2	UT	411	4,871,725	5,371,822	7,812,769	5,952,105	0.4	2,380,842	1.3%	195
ENO	A B Paterson-3	UT	50	494,719	-	137,616	210,778	0.4	84,311	0.0%	7
ENO	A B Paterson-4	UT	72	511,228	-	-	170,409	0.4	68,164	0.0%	6
ENO	Michoud-1	UT	65	958,413	613,198	1,024,392	865,334	0.4	346,134	0.2%	28
ENO	Michoud-2	UT	244	3,245,531	3,749,378	2,627,283	3,207,397	0.4	1,282,959	0.7%	105
ENO	Michoud-3	UT	545	11,525,033	8,512,105	7,870,973	9,302,704	0.4	3,721,081	2.0%	305
EGSI	Louisiana 2-10	UT	40	17	-	1,841	619	0.4	248	0.0%	0
EGSI	Louisiana 2-11	UT	40	1,304	-	2,078	1,127	0.4	451	0.0%	0
EGSI	Louisiana 2-12	UT	60	460	-	5,429	1,963	0.4	765	0.0%	0
EGSI	R S Nelson-3	UT	153	3,183,307	2,113,371	1,959,589	2,418,756	0.4	967,502	0.5%	79
EGSI	R S Nelson-4	UT	500	9,861,406	4,603,004	5,586,055	6,683,488	0.4	2,673,395	1.5%	219
EGSI	Willow Glen-1	UT	152	1,499,412	988,384	23,605	837,134	0.4	334,853	0.2%	27

EGSI	Willow Glen--2	UT	205	2,451,182	1,034,846	1,803,249	1,763,092	0.4	705,237	0.4%	58	58
EGSI	Willow Glen--3	UT	450	6,844,542	-	137,718	2,327,420	0.4	930,968	0.5%	76	76
EGSI	Willow Glen--4	UT	540	3,634,637	1,808,666	-	1,814,434	0.4	725,774	0.4%	59	59
EGSI	Willow Glen--5	UT	485	7,661,968	883,226	312,692	2,952,629	0.4	1,181,051	0.6%	97	97
CLECO	Rodemacher Power Station--1	UT	440	7,349,264	4,457,458	3,375,625	5,060,782	0.4	2,024,313	1.1%	166	166
CLECO	Teche Power Station--2	UT	48	98,512	39,150	528,093	221,918	0.4	88,767	0.0%	7	7
CLECO	Teche Power Station--3	UT	359	5,220,542	5,706,788	4,925,892	5,284,407	0.4	2,113,763	1.2%	173	173
SWEPCO	Arsenal Hill Power Plant--5A	UT	110	1,105,432	1,010,915	812,187	976,178	0.4	390,471	0.2%	32	32
SWEPCO	Lieberman Power Plant--4	UT	108	552,316	552,922	136,307	413,848	0.4	165,539	0.1%	14	14
SWEPCO	Lieberman Power Plant--3	UT	112	447,684	503,543	26,924	326,050	0.4	130,420	0.1%	11	11
MUNICIPAL - GAS												
Lafayette Utilities System	Doc Bonin--2	Muni	84	107,224	564,438	897,926	523,196	0.4	209,278	0.1%	17	17
Morgan City	Morgan City Electrical Gen Facility--4	Muni	36	545,517	533,829	517,377	532,241	0.4	212,896	0.1%	17	17
Lafayette Utilities System	Doc Bonin--3	Muni	173	2,483,245	1,959,306	2,155,330	2,199,294	0.4	879,717	0.5%	72	72
Terrebonne	Houma--15	Muni	24	36,588	32,983	182,724	84,098	0.4	33,639	0.0%	3	3
Terrebonne	Houma--16	Muni	39	673,311	515,600	511,596	566,836	0.4	226,734	0.1%	19	19
Lafayette Utilities System	Doc Bonin--1	Muni	45	31,932	63,539	535,693	210,388	0.4	84,155	0.0%	7	7
City of Alexandria	D G Hunter--3	Muni	47	8,591	73,939	-	27,510	0.4	11,004	0.0%	1	1
City of Alexandria	D G Hunter--4	Muni	78	3,432	148,142	-	50,525	0.4	20,210	0.0%	2	2
Lafayette Utilities System	Hargis-Hebert Electric Generating Station--U-1	Muni	48				14	0.4	345,965	0.2%	28	28
Lafayette Utilities System	Hargis-Hebert Electric Generating Station--U-2	Muni	48				14	0.4	345,965	0.2%	28	28
	Natchitoches--10	Muni	26	30	2,946	17,128	6,701	0.4	2,681	0.0%	0	
City of Ruston	Ruston--2	Muni	25	1,398	1,228	-	875	0.4	350	0.0%	0	
City of Ruston	Ruston--3	Muni	40	11,892	6,707	-	6,200	0.4	2,480	0.0%	0	
Lafayette Utilities System	T J Labbe Electric G--U-1	Muni	48				14	0.4	345,965	0.2%	28	28
Lafayette Utilities System	T J Labbe Electric G--U-2	Muni	48				14	0.4	345,965	0.2%	28	28
Note: regulated facilities allowances are based on previous heat inputs. See LAC 33:III.506.B. After 2014, 17085 in cell U6 changes to 14238										0.0%	-	
Total:									182,465,616	100.0%	14,935	14933

## Calculating Annual CAIR NOx Allowances Using the Louisiana Method

Attached is a spreadsheet with the CAIR NOx annual and ozone season allowances allocated per the method proposed by LDEQ. The method reflects the recommendations of the Louisiana Public Service Commission. The spreadsheet columns will be referred to in the explanation of the calculation method.

### ANNUAL NOx ALLOCATION

**Step 1: Calculate the average annual NOx emissions per CAIR unit.**

- See worksheet tab "Annual for Non-Utility Units".  
This Step applies only to electricity-generating units that have not been certified by the LPSC or approved by a municipal authority and do not have long term contracts with a public utility or municipal authority. This includes independent power producers (IPPs) and co generators.
- Initial allocation of allowances for 2009, 2010, & 2011:
  - ✓ For 2002, 2003, and 2004, data from both the department's emissions inventory and the Federal Acid Rain database were used. The Federal Acid Rain database was only used when the data was not available in the department's emission inventory.
  - ✓ For 2002, 2003, and 2004, the Federal Acid Rain database information was used for allocating ozone season NOx allocations for non-utility units.
  - ✓ The Federal Acid Rain database information is available at [http://cfpub.epa.gov/adm/index.cfm?fuseaction=whereyoulive.state&displaymode=view&program=1&selection=none&prg\\_code=ARP&year=2003&state=LA](http://cfpub.epa.gov/adm/index.cfm?fuseaction=whereyoulive.state&displaymode=view&program=1&selection=none&prg_code=ARP&year=2003&state=LA).
  - ✓ Example using actual NOx emissions [tons per year (tpy)]:  
$$(2002 + 2003 + 2004) / 3 = \text{average actual NOx emissions (tpy)}$$
  
Enter the result of the average calculation in columns H and I of the spreadsheet.
- Each control period allowance allocations beginning in 2008 will use emission data (partial and complete) from the 3 calendar years immediately preceding the year in which the control period allocations are submitted to the Administrator...
  - ✓ Examples:  
To allocate 2012 allowances in 2008 use 2005, 2006, 2007,  
To allocate 2013 allowances in 2009 use 2006, 2007, 2008,
- For units that begin operation after January 1, 2007, NOx allocations will not be made until there is a calendar year of data (partial or complete). Data from that calendar year will be used instead of an average. When there are 2 calendar years

## ➤ ANNUAL NO<sub>x</sub> ALLOCATIONS (cont.)

### Step 1: Continued

- of data, the 2 years will be averaged. Once a unit is operating, commencing from start up, every calendar year will be considered an operating year even if the emissions are zero.

### Step 2: Calculate the average heat input (MMBtu) per CAIR unit.

- See worksheet tab "Annual for Utility Units"
- This Step applies only to utility units which either have been certified by the LPSC or approved by a municipal authority and are operational, or are non-utility units that have an effective and active long term contract with a public utility or municipal authority.
- Initial allocation of allowances for 2009, 2010, & 2011:
  - ✓ For 2002, 2003, and 2004 data was used from the Acid Rain Program database which is available at [http://cfpub.epa.gov/gdm/index.cfm?fuseaction=whereyoulive.state&displaymode=view&programYearSelection=none&prg\\_code=AR&year=2003&state=LA](http://cfpub.epa.gov/gdm/index.cfm?fuseaction=whereyoulive.state&displaymode=view&programYearSelection=none&prg_code=AR&year=2003&state=LA)
  - ✓ Enter the heat input data (MMBtu) for the appropriate years and the Excel spreadsheet will perform the calculations.

#### Examples:

Heat input 2002 + heat input 2003 + heat input 2004 / 3 =  
average heat input (MMBtu)

Columns (J+I+K)/3 = Column M

- Beginning in 2008, use the heat input (MMBtu) for the most recent three (3) calendar years. The information should be available in the department's emission inventory. If the data cannot be obtained from the emission inventory, use the data in the Federal Acid Rain Program database. Use the heat input for the most recent three (3) calendar years divided by 3 (for 3 years).

#### Example:

- To allocate 2012 allowances in 2008 use the heat input (MMBtu) from 2005, 2006, and 2007
- To allocate 2013 allowances in 2009 use the heat input (MMBtu) from 2006, 2007, and 2008

Once a unit is operating, commencing from start up, every calendar year will be considered an operating year even if the emissions are zero. If data is available for only one (1) calendar year, use the heat input for that calendar year. If data is available for only the two (2) most recent calendar years, average the data.

- Certified units.
  - ✓ An electricity-generating unit or contract that has been certified by the LPSC or approved by a municipal authority but is not yet in operation and must be subject to CAIR.
  - ✓ For coal-fired units that begin operation after January 1, 2007, multiply the certified gross electrical output in MW by 7,900 Btu/kWh and divide by 1,000,000 Btu/mmBtu (basis for calculation in CAIR model rule, 40

## ANNUAL NO<sub>x</sub> ALLOCATIONS

### Step 2: Continued

CFR Part 96.142). To convert from hourly to yearly multiply by 8,760 hours per year and to convert MW to kW multiply by 1,000.

Example for a coal-fired unit that begin operation after January 1, 2007, with a certified gross electrical output of 700 MW.

Calculated heat input =

$$700 \times 7,900 \times 8760 \times 1000 / 1,000,000 = 48,442,800 \text{ MMBtu.}$$

- ✓ For units that begin operation after January 1, 2007, not coal-fired, multiply the certified gross electrical output in MW by 6,675 Btu/kWh and divide by 1,000,000 Btu/mmBtu (basis for calculation in CAIR model rule, 40 CFR Part 96.142). To convert from hourly to yearly multiply by 8,760 hours per year and to convert MW to kW multiply by 1,000.

Example for a gas-fired unit that begin operation after January 1, 2007, with a certified gross electrical output of 200 MW.

Calculated heat input =

$$200 \times 6675 \times 8760 \times 1000 / 1,000,000 = 11,694,600 \text{ mmBtu.}$$

- ✓ The adjusted heat input for certified units that begin operation after January 1, 2007, will be used until there exists three (3) calendar years of operating data prior to the allowance allocation year for a control period for which allowances have not been allocated. Once a unit is operating, commencing from start up every calendar year will be considered an operating year even if the emissions are zero.

### Step 3: Calculate the adjusted heat input (MMBtu) for each Utility unit.

- See worksheet tab "Annual for Utility Units"
  - This Step applies only to LPSC certified units or a municipal authority approved unit that was in operation or a non-utility unit that has an effective and active long term contract with a public utility or municipal authority.
  - Initial allocation of allowances for 2009, 2010, & 2011:
    - ✓ average heat input (MMBtu) multiplied by fuel adjustment factor (taken from the FIP) = adjusted heat input (MMBtu) for the unit
    - ✓ Fuel adjustment factor (Column O) based on fuel used: coal = 1; gas = .4; other type fuels, consult the FIP
    - ✓ Columns M X O = Column Q
- Example: Little Gypsy – Unit 1  $4,993,669 \text{ MMBtu} \times .4 = 1,997,467 \text{ MMBtu}$
- Beginning in 2008 this step will be calculated in the same manner using the appropriate data.
  - No fuel adjustment factor is used for certified units that begin operation after January 1, 2007, —the fuel type is accounted for in the gross electrical output calculation to obtain a converted heat input.

### Step 4: Adjust the Louisiana Budget

- Total Column I on the worksheet tab "Annual for Non-Utility Units"

## ANNUAL NO<sub>x</sub> ALLOCATIONS

### Step 4: Continued

- Subtract the total of Column I from the Louisiana NO<sub>x</sub> annual budget for the control period. Louisiana (LA) Phase 1 NO<sub>x</sub> Annual Budget 2009-2014 = 35,512 tpy; LA Phase 2 NO<sub>x</sub> Annual Budget for 2015 forward = 29,593 tpy
  - ✓ Note: The Louisiana Budget for utility units will need to be adjusted each year beginning with 2008 when the allowances for control period 2012 are allocated because non-utility units are allocated first.
- The adjusted Louisiana Budget appears on the worksheet tab "Annual for Utility Units" in Column T, Line 6.
- The calculations are performed by the Excel spreadsheet using the ratio value (column S) and the adjusted heat input (column Q). The allowances appear in column T.
- To allocate the initial allowances for 2009, 2010, and 2011
  - ✓ Use the ratio of each unit's adjusted heat input (MMBtu) (Column Q) to the total adjusted heat input (the total of Column Q). The value of this ratio (%) is in Column S. The Column S value is **multiplied** by the LA cap Phase 1 NO<sub>x</sub> Annual Budget for 2009 (Column T, Line 6). Round to nearest whole number and the allowance is located in Column T.
  - ✓ Column Q for the unit/Column Q Total = Column S (% ratio)  
Column S X 30,688 tpy = Column T (allowance)

Example: Little Gypsy-1

1,997,467 MMBtu divided by the sum of all column R values (33,831,569 MMBtu) **multiplied** by 30,688 tpy (adjusted Louisiana budget for 2009)  
= 141 tpy

- ✓ Beginning in 2008 for control period 2012, and for each control period after, this step will be calculated in the same manner using the appropriate data.



### OZONE SEASON NO<sub>x</sub> ALLOCATIONS

- Calculated in the same manner as annual NO<sub>x</sub> allowances.
- Use Steps 1-4 but modify all the emissions (NO<sub>x</sub> tpy) and heat input (MMBtu) data by using seasonal (May through September) data found in the Federal Acid Rain database at the web address listed above. If seasonal data is not available use annual data and multiply the data by 5/12.
- Louisiana (LA) Phase 1 Seasonal NO<sub>x</sub> Budget 2009-2014 = 17,085 tpy; LA Phase 2 Seasonal NO<sub>x</sub> Budget for 2015 forward = 14,238 tpy

#### Example:

Joe's Electrical Generating Unit emitted an average of 200 tons per year for 2009, 2010, and 2011. To calculate the average ozone season NO<sub>x</sub> emissions:

$$200 \text{ tpy} \times 5/12 = 83 \text{ tpy}$$

A LPSC regulated utility had an average adjusted heat input of 34,200,228 MMBtus. To calculate the average adjusted heat input for the ozone season:

$$34,200,228 \times 5/12 = 14,250,095$$

# KEAN MILLER

KEAN MILLER HAWTHORNE D'ARMOND McCOWAN & JARMAN LLP  
ATTORNEYS AT LAW

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July 3, 2007

VIA E-Mail and Hand Delivery

Ms. Judith A. Schuerman, Ph.D.  
Department of Environmental Quality  
Office of the Secretary  
Legal Affairs Division  
P.O. Box 4302  
Baton Rouge, Louisiana 70821-4302

RE: Nelson Industrial Steam Company's Comments  
On Proposed Rules for CAIR NOx Trading Program (Log No. AQ285)  
And on Proposed SIP Revisions to Incorporate CAIR NOx Trading Program  
(Log No. 0702Pot1)

Dear Dr. Schuerman:

Our firm represents Nelson Industrial Steam Co. ("NISCO") in connection with the rulemaking actions referenced above. NISCO appreciates the opportunity to comment on the proposal by the Louisiana Department of Environmental Quality ("LDEQ") for rules to implement the Clean Air Interstate Rule ("CAIR") NOx Trading Program in Louisiana. (Log No. AQ285) I am attaching NISCO's comments on the proposed rules and request that these comments be placed in the administrative record of this proceeding for consideration by LDEQ prior to any final rulemaking. NISCO also asks that these same comments be placed in the administrative record for LDEQ's proposed SIP revisions to incorporate the CAIR NOx Trading Program into the Louisiana SIP. (Log No. 0702Pot1).

Pursuant to La. R.S. 49:953(A)(2)(b), NISCO requests that LDEQ issue a concise statement of the principal reasons for and against the adoption of any modifications or changes suggested in written or oral comments made to LDEQ in connection with Log Nos. AQ285 and 0702Pot1. In addition, NISCO requests that, prior to any legislative oversight hearings, LDEQ provide NISCO with a complete draft of all proposed technical changes to LAC 33:III.506, if any technical changes are proposed.

Judith A. Schuerman, Ph.D.  
March 6, 2007  
Page 2

Again, NISCO appreciates the opportunity to comment on these proposals. Should you have any questions regarding NISCO's comments, please contact me. Thank you for your assistance and attention to NISCO's comments.

Very truly yours,

A handwritten signature in black ink, appearing to read "Maureen N. Harbourt". The signature is fluid and cursive, with the first name being the most prominent.

Maureen N. Harbourt  
Counsel to Nelson Industrial Steam Co.

Cc: Darlene Doshier-Collard, LDEQ  
Allen Hile, NISCO

**COMMENTS OF NELSON INDUSTRIAL STEAM COMPANY  
ON  
PROPOSED RULE AQ285  
CAIR NOX TRADING PROGRAMS**

**I. Background**

Nelson Industrial Steam Company ("NISCO") appreciates the opportunity to submit comments on proposed rule AQ285, LDEQ's proposed Clean Air Interstate Rule ("CAIR") Nitrogen Oxides ("NOx") Trading Program.

NISCO owns two petroleum coke-fueled circulating fluidized bed (CFB) boilers and associated cogeneration units at its facility in Westlake, Calcasieu Parish, Louisiana. Each unit has a nameplate capacity of 130 megawatts. NISCO is 99% owned by ConocoPhillips Company, CITGO Petroleum Corp., Sasol North America, and 1% by Entergy Gulf States, Inc. ("EGSI"). The facility is operated by EGSI. NISCO believes that it should not be subject to CAIR because it should be treated as an exempt cogeneration unit and because it sells such a *de minimis* amount of electricity that it should not be considered to be an Electric Generating Unit ("EGU") within the meaning of CAIR.

On March 13, 2006, Nelson Industrial Steam Company ("NISCO") submitted a request to EPA and to the Louisiana Department of Environmental Quality ("LDEQ") for a determination that its two cogeneration units in Westlake facility were exempt from CAIR. This request was made on the basis that these two units meet the definition of cogeneration units under the Public Utilities Regulatory Policies Act ("PURPA") and under the Clean Air Act's Acid Rain rules and because neither of the units provides more than 1/3 of its potential electrical output capacity or more than 219,000 MWe to a utility power distribution system for sale. Subsequent discussions with the agencies have centered on whether the two units, which are fueled by petroleum coke, meet the definition of cogeneration unit under the Clean Air Interstate Rule ("CAIR") found at 40 C.F.R. 51.123(cc). This is because the CAIR rule imposes an additional efficiency test to demonstrate that a unit is a cogeneration unit. Thus, although a unit may be classified as a cogeneration unit under PURPA and the Acid Rain rules, it may not be a cogeneration unit under CAIR. NISCO has been working with the EPA to determine the appropriate data for determination of the efficiency standards under CAIR and has requested that EPA continue to review the information submitted on this issue.

**The NISCO facility is not regulated by the Louisiana Public Service Commission.**

In November 2006, NISCO submitted a supplement to its request for an exemption from CAIR to EPA Clean Air Markets Division and LDEQ. The purpose of the supplement was to request a determination of nonapplicability of CAIR for the additional reason that the NISCO units do not meet the definition of electric generating unit ("EGU") contained in 40 C.F.R. 51.123(cc) and in the Federal Implementation Plan ("FIP") because the units have never sold *sufficient* electricity to a utility power distribution system to fall within the meaning of "producing electricity for sale."

Neither of the NISCO units has ever sold more than 1% of its electrical output to a utility power distribution system, except during the aftermath of Hurricanes Katrina and Rita in 2005 when the annual sale of electrical output from the two units combined was only 2.58% of the total annual output. In five of the last fifteen years, NISCO has not sold **any** electricity to the grid. In six more of those years, sales were below 0.2 % of total generation. Only in 2005 did sales to the grid exceed 0.82%. Because 2005 was the year of Hurricanes Katrina and Rita, the special *force majeure* circumstances of those storms account for these extra sales.

The NISCO units were constructed and are operated to produce power only for three of the companies which own 100% interest in NISCO: Sasol, CITGO and ConocoPhillips. Each of these three entities uses the power for manufacturing purposes. Any sales of electricity to a utility power distribution for sale to the public are the result of only incidental or accidental swings in electrical production due to a manufacturing unit being temporarily off-line. The NISCO units are operated in order to tailor output to the demands of these three entities, not to produce power for sale. The miniscule amount of power sold is not done so on an intentional basis, but rather to avoid waste. The only exception to this mode of operation was due to back-to-back natural disasters of unprecedented magnitude in 2005 where NISCO was asked to furnish badly needed power to Southwest Louisiana, and did furnish such power for a short period of time until commercial LPSC regulated entities could come back on-line.

NISCO is currently awaiting determinations from EPA and/or LDEQ concerning the applicability of CAIR to its two units. NISCO is providing these comments out of an abundance of caution to ensure that if the agencies determine that NISCO is subject to CAIR, appropriate NOx allocations will be provided to the facility. NISCO does not waive any right to challenge CAIR applicability to its units through the submission of these comments. NISCO appreciates the Louisiana Department of Environmental Quality's proposal to grant NOx allocations to NISCO in the event that NISCO is subject to the CAIR rule.

## **II. Comments on Proposed Rule for CAIR NOx Trading Program in Louisiana**

### **A. General**

NISCO's facility is an important contributor to the economy of Calcasieu Parish and Louisiana. The facility employs between 80 and 95 operations and maintenance personnel and has an annual payroll of over \$8 million (\$8,000,000.00). The facility makes significant state and local purchases, estimated at least \$43 million (\$43,000,000.00) annually and pays over \$1.7 million (\$1,700,000.00) in annual state/local taxes. Additionally, NISCO's operations have a significant multiplier effect on other area businesses. For example, NISCO spends over \$5.7 million (\$5,700,000.00) annually on purchase of limestone from Port Aggregates, Inc., another business located in Lake Charles. The NISCO purchases represent approximately 25-30% of the annual Port Aggregates revenue.

NISCO has determined that purchase of NOx allocations, if not awarded, would cost the company approximately \$1.7 to \$ 2.9 million annually just for annual NOx allowances and

another \$ 0.5 million for ozone season allowances.<sup>1</sup> In addition to these costs, NISCO will be forced to purchase SO<sub>2</sub> allowances because NISCO was not regulated under the Acid Rain program and therefore was not allocated any SO<sub>2</sub> Allowances by EPA under CAIR. The burdensome costs of CAIR compliance, including NO<sub>x</sub> and SO<sub>2</sub> allocation purchases and monitoring costs, may result in NISCO no longer being a viable business. Under EPA's default NO<sub>x</sub> allocation system, it is not clear that NISCO would receive any NO<sub>x</sub> allowances. For these reasons, NISCO supports the proposed language in AQ285 and the associated LDEQ proposed allocation tables, which provide NISCO with fair NO<sub>x</sub> allocations.

## **B. NISCO Supports the Proposed Definition of Non-Utility Unit**

LDEQ has provided tables on its website showing the proposed NO<sub>x</sub> CAIR allocations that will result through application of the language in proposed LAC 33:III.506. Under these tables, NISCO's units are appropriately classified as "non-utility" as they are not regulated by the Louisiana Public Service Commission, nor are they certified by an approved municipal authority. NISCO supports the proposed definition of "non-utility unit" in AQ285 as it indicates that such definition includes, **but is not limited to**, independent power producers and cogeneration units as defined in 40 C.F.R. Part 97.

As indicated above, NISCO's units **do** meet the definition of "cogeneration facility" under the CAA Acid Rain program, 40 C.F.R. Part 75 and LAC 33:III.505, but there is an issue about whether NISCO's two units meet the definition of cogeneration facility under the CAIR rules, 40 C.F.R. Part 97. This is because the CAIR definition applies efficiency standards to all solid fuels whereas the PURPA and Acid Rain definitions apply efficiency standards only to units burning natural gas or oil. While NISCO believes that EPA intended to apply such efficiency standards only to coal (not to petroleum coke) because it reviewed only coal in drafting the CAIR rules and did not review petroleum coke, that issue is still pending for review by EPA.

LDEQ's proposed rule does not define "*Independent Power Producer*" but does indicate that any terms used in LAC 33:III.506 have the same meaning as in 40 C.F.R. Part 97, unless specifically defined in LAC 33:III.506. Generally the Part 97 rules indicate that an Independent Power Producer is "the owner or operator of any electricity-generating facility who sells electricity to a utility company." As noted above, there are many years in which NISCO has not sold electricity to a utility company. Further, in all but one year, NISCO sold less than 0.82% of its output to a utility company. Under these facts, LDEQ may not consider NISCO to be an Independent Power Producer. However, because LDEQ's proposed Section 506 appropriately indicates that any electric generating unit that is not certified by the LPSC or an approved municipality is a "Non-Utility Unit" and that such definition is not limited solely to IPPs and cogeneration units, it is clear that NISCO's two units will be classified as Non-Utility units.

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<sup>1</sup> This estimate is based on an assumed cost of \$1500 to \$2500 per ton to purchase NO<sub>x</sub> allowances times 1149 TPY, the average annual NO<sub>x</sub> emissions during the 2002-2004 period, and an estimated cost of \$300 to \$1100 per ton to purchase ozone season NO<sub>x</sub> allowances times 458 TPY, the average ozone season emissions during this same period.

### **C. NISCO Requests Revision or Clarification of the Definition of Utility Unit**

LDEQ's proposed definition of "utility unit" states as follows:

*Utility Unit*-a certified unit that is in operation, a previously-operational certified unit, or a non-utility unit that has an effective and active long-term service contract with a utility unit. Long-term contracts are those contracts of at least one year in duration, provided that the municipality or utility unit expects to receive power under the contract within one year of the contract execution.

NISCO is uncertain as to what is meant by the phrase "a non-utility unit that has an effective and active long-term service contract with a utility unit." As indicated above, NISCO sells a very small amount of electricity, and in some years does not sell any. Electricity is available for sale only under rare circumstances, but when it is sold, it is sold to the Town of Vinton. NISCO does not contract with the Town of Vinton to provide a set amount of power, but if there is excess, it is sold to the town. NISCO requests clarification that such an arrangement would not subject NISCO to being classified as a "utility" under the proposed rule.

### **D. NISCO Supports the Allocation Methodology Compared to the FIP Methodology**

NISCO does agree with LDEQ's methodology for allocations to LPSC Non-Utility Units in lieu of the CAIR Federal Implementation Plan (FIP) NOx Annual Trading Program published at 71 Fed.Reg. 25328, April 28, 2006. The federal program would result in insufficient NOx allocations for NISCO and would threaten the economic viability of NISCO's business. The allocations proposed by LDEQ result in a more equitable distribution of NOx allocations within the state.

In connection with its comments on AQ261, NISCO previously submitted the following annual and ozone season NOx data for the two CFB units for the 2002-2004 time period to ensure that LDEQ had the appropriate data for NISCO.

Unit	Year	Annual NOx Allocation	Ozone Season NOx Allocation
Unit 1A	2002	849 TPY	411 TPY
	2003	533	154
	2004	540	187
	Avg.	641	251
Unit 2A	2002	767 TPY	366 TPY
	2003	381	115
	2004	377	141
	Avg.	508	207

The annual emissions were based on data reported to LDEQ in the annual emissions inventory statement, per LAC 33:III.919. The ozone season emissions were based on CEMS data.

Although not a part of this rule, LDEQ did provide tables on its CAIR webpage to illustrate the application of proposed AQ285. Under the proposed allocations, LDEQ provided NISCO with NO<sub>x</sub> allocations equivalent to its 2002-2004 annual and seasonal averages consistent with the data submitted by NISCO.<sup>2</sup> NISCO supports these proposed allocations and asks that these be made a part of the official rulemaking record in this matter. The allocations are attached as Exhibit 1 for the allocations sent to EPA on April 27, 2007 and Exhibit 2 for the NO<sub>x</sub> Allocations posted on LDEQ's website, which are the same allocations as shown on Exhibit 1; however, Exhibit 2 also shows the status of the units as Non-Utility Units or Utility Units.

### **III. LDEQ Should Consider a Reopener Clause in the Event Portions of CAIR Are No Longer Required**

Louisiana electric generating units are subject to CAIR's requirements for SO<sub>2</sub> and for annual NO<sub>x</sub> reductions solely due to the fact that Louisiana's emissions of SO<sub>2</sub> and NO<sub>x</sub> were projected to make a "significant contribution"<sup>3</sup> to PM<sub>2.5</sub> nonattainment in Jefferson County, AL (Birmingham Area). <http://www.epa.gov/CAIR/pdfs/tsd0162.pdf> (particularly at page 40). At the time of this modeling which was based on 1999-2002 data, the PM 2.5 design value in the Birmingham Area was 21.53 ug/m<sup>3</sup>, more than 6 ug/m<sup>3</sup> over the NAAQS, which is 15.05 ug/m<sup>3</sup>. However, since that time, the Birmingham area has made significant progress towards PM 2.5 attainment. The EPA Green Book, December 2006, indicates that the design value for Jefferson Co., AL has dropped to 17.3 ug/m<sup>3</sup>. Data from the Alabama Dept. of Environmental Management web site indicates further that 5 of the 6 PM 2.5 monitors have a design value of less than 15.05 ug/m<sup>3</sup> and only one monitor still has a design value over the NAAQS. Thus, Birmingham has reduced PM 2.5 by more than 4 ug/m<sup>3</sup> and could achieve attainment of the PM 2.5 NAAQS prior to 2009 when the Phase I NO<sub>x</sub> allocations/reductions are required. Birmingham's attainment deadline is in April 2010.

In an analogous situation, EPA recently suspended the requirements of the NO<sub>x</sub> SIP Call for the State of Georgia. See 70 Fed. Reg. 51591, August 31, 2005. The NO<sub>x</sub> SIP call requirements for Georgia were premised on modeling that showed Georgia NO<sub>x</sub> emissions were make a significant contribution to ozone nonattainment in Memphis and Birmingham. Subsequently, before the substantive requirements of the NO<sub>x</sub> SIP call became effective, both the Memphis and Birmingham ozone nonattainment areas were deemed to be in attainment with the ozone standard. For this reason, Georgia regulated entities petitioned, and were granted, a stay of the NO<sub>x</sub> SIP requirements.

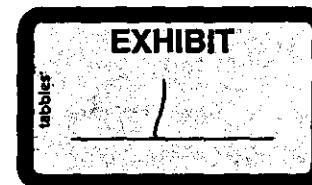
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<sup>2</sup> <http://www.deq.louisiana.gov/portal/tabid/2700/Default.aspx>.

<sup>3</sup> Modeling determined that Louisiana emissions would cause a 0.25 ug/m<sup>3</sup> contribution to PM 2.5 in Jefferson Co., AL. This was deemed to be a significant enough contribution to require CAIR applicability in Louisiana for SO<sub>2</sub> reductions and for annual NO<sub>x</sub> reductions. Ozone season NO<sub>x</sub> reductions in Louisiana were based on a projected significant contribution of Louisiana NO<sub>x</sub> emissions to ozone nonattainment in several Texas counties. <http://www.epa.gov/CAIR/pdfs/tsd0162.pdf> (particularly at page 40).



If the Birmingham area achieves attainment with the PM 2.5 standard prior to the effective date of CAIR-required annual NO<sub>x</sub> season reductions in Louisiana, the CAIR requirements should be suspended and ultimately revoked. For this reason, NISCO requests that LDEQ included either in this rulemaking, or a subsequent rulemaking, a provision that will stay the requirements of the CAIR SIP should the Birmingham area achieve attainment.



**From:** "James Orgeron" <James.Orgeron@LA.GOV>  
**To:** <Wiley.Adina@epamail.epa.gov>  
**Date:** 4/27/2007 2:20:43 PM  
**Subject:** Louisiana's NOx Allocations for 2009, 2010, and 2011 Under CAIR

Attached are Louisiana's NOx allocations for 2009, 2010, and 2011. Please respond that you have received them. We are also faxing a letter from Mr. Roberie to Mr. Robinson discussing how we handled NISCO's allocations. Hard copy of the letter will follow. The fax and the allocations should complete the package. There are two worksheets in the attached spreadsheet. Let me know if you need anything else relating to CAIR NOx allocations.

<<initial allocations format.xls>>

Jim Orgeron  
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**CC:** <Robinson.Jeffrey@epamail.epa.gov>, "Darlene Doshier-Collard" <Darlene.Doshier-Collard@LA.GOV>, "Chris Roberie" <Chris.Roberie@LA.GOV>, "Teri Lanoue" <Teri.Lanoue@LA.GOV>

State	County	City	Zip	State	County	City	Zip	State	County	City	Zip
LA	Orleans	New Orleans	70112	LA	Orleans	New Orleans	70112	LA	Orleans	New Orleans	70112

LA0000000100	006190FACLT	2009	331 Rodemacher Unit 1
LA0000000100	006190FACLT	2009	2664 Rodemacher Unit 2
LA0000000100	006190FACLT	2009	3558 Rodemacher Unit 3
LA0000000100	001393FACLT	2009	169 RS Nelson Unit 3
LA0000000100	001393FACLT	2009	431 RS Nelson Unit 4
LA0000000100	001393FACLT	2009	3043 RS Nelson Unit 6
LA0000000100	006055FACLT	2009	3786 Big Cajun 2 Unit 1
LA0000000100	006055FACLT	2009	3528 Big Cajun 2 Unit 2
LA0000000100	006055FACLT	2009	3398 Big Cajun 2 Unit 3
LA0000000100	006055FACLT	2009	0 Big Cajun 2 Unit 4
LA0000000100	000051FACLT	2009	3931 Dolet Hills
LA0000000100	001402FACLT	2009	156 Entergy Little Gypsy 1
LA0000000100	001402FACLT	2009	193 Entergy Little Gypsy 2
LA0000000100	001402FACLT	2009	289 Entergy Little Gypsy 3
LA0000000100	001448FACLT	2009	0 Monroe - 11
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LA0000000100	001403FACLT	2009	100 Entergy Ninemile Point -2
LA0000000100	001403FACLT	2009	68 Entergy Ninemile Point -3
LA0000000100	001403FACLT	2009	771 Entergy Ninemile Point -4
LA0000000100	001403FACLT	2009	808 Entergy Ninemile Point -5
LA0000000100	055620FACLT	2009	120 Perryville Power Station CT1
LA0000000100	055620FACLT	2009	137 Perryville Power Station CT2
LA0000000100	055620FACLT	2009	2 Perryville Power Station 2CT
LA0000000100	001404FACLT	2009	15 Sterlington - 7AB
LA0000000100	001404FACLT	2009	18 Sterlington - 7C
LA0000000100	001404FACLT	2009	158 Sterlington - 10
LA0000000100	008056FACLT	2009	424 Entergy Waterford 1 & 2 - 1
LA0000000100	008056FACLT	2009	351 Entergy Waterford 1 & 2 - 2
LA0000000100	001407FACLT	2009	8 Entergy A B Paterson - 3
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LA0000000100	001449FACLT	2009	28 Morgan City Electrical Gen Facility
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LA00000000100	055404FACLT	2009	48 Carville Energy Center - COG 2
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LA00000000100	001396FACLT	2009	160 Evangeline Power Station (Coughlin) - 6-1
LA00000000100	001396FACLT	2009	94 Evangeline Power Station (Coughlin) - 7-1
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LA00000000100	001448FACLT	2010	0 Monroe - 11
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LA00000000100	001403FACLT	2010	100 Entergy Ninemile Point -2
LA00000000100	001403FACLT	2010	68 Entergy Ninemile Point -3
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LA0000000100	055433FACLT	2010	1 Bayou Cove Peaking Power Plant - CTG1
LA0000000100	055433FACLT	2010	1 Bayou Cove Peaking Power Plant - CTG2
LA0000000100	055433FACLT	2010	1 Bayou Cove Peaking Power Plant - CTG3
LA0000000100	055433FACLT	2010	1 Bayou Cove Peaking Power Plant - CTG4
LA0000000100	001464FACLT	2010	34 Big Cajun 1 - CTG1
LA0000000100	001464FACLT	2010	22 Big Cajun 1 - CTG2
LA0000000100	001464FACLT	2010	0 Big Cajun 1 - 2B1
LA0000000100	001464FACLT	2010	0 Big Cajun 1 - 2B2
LA0000000100	055165FACLT	2010	16 Calcasieu Power, LLC -GTG1
LA0000000100	055165FACLT	2010	20 Calcasieu Power, LLC -GTG2
LA0000000100	055404FACLT	2010	81 Carville Energy Center - COG 1
LA0000000100	055404FACLT	2010	48 Carville Energy Center - COG 2
LA0000000100	001396FACLT	2010	92 Evangeline Power Station (Coughlin) - 7-2
LA0000000100	001396FACLT	2010	160 Evangeline Power Station (Coughlin) - 6-1
LA0000000100	001396FACLT	2010	94 Evangeline Power Station (Coughlin) - 7-1
LA0000000100	001391FACLT	2010	224 Exxon Mobil Louisiana 1 - 1A
LA0000000100	001391FACLT	2010	152 Exxon Mobil Louisiana 1 - 2A
LA0000000100	001391FACLT	2010	210 Exxon Mobil Louisiana 1 - 3A
LA0000000100	001391FACLT	2010	899 Exxon Mobil Louisiana 1 - 4A

LA0000000100	001391FACLT	2010	304 Exxon Mobil Louisiana 1 - 5A
LA0000000100	055419FACLT	2010	32 Plaquemine Cogen Facility - 500
LA0000000100	055419FACLT	2010	23 Plaquemine Cogen Facility - 600
LA0000000100	055419FACLT	2010	25 Plaquemine Cogen Facility - 700
LA0000000100	055419FACLT	2010	25 Plaquemine Cogen Facility - 800
LA0000000100	055467FACLT	2010	37 Quachita Power, LLC -CTGEN1
LA0000000100	055467FACLT	2010	36 Quachita Power, LLC -CTGEN2
LA0000000100	055467FACLT	2010	32 Quachita Power, LLC -CTGEN3
LA0000000100	055117FACLT	2010	0 R S Cogen - RS-4
LA0000000100	055117FACLT	2010	265 R S Cogen - RS-5
LA0000000100	055117FACLT	2010	268 R S Cogen - RS-6
LA0000000100	055089FACLT	2010	140 Taft Cogeneration Facility - CT1
LA0000000100	055089FACLT	2010	146 Taft Cogeneration Facility - CT2
LA0000000100	055089FACLT	2010	142 Taft Cogeneration Facility - CT3
LA0000000100	00FACLT	2010	641 NISCO Unit - 1A
LA0000000100	00FACLT	2010	508 NISCO Unit - 2A

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LA0000000100	006190FACLT	2011	331 Rodemacher Unit 1
LA0000000100	006190FACLT	2011	2664 Rodemacher Unit 2
LA0000000100	006190FACLT	2011	3558 Rodemacher Unit 3
LA0000000100	001393FACLT	2011	169 RS Nelson Unit 3
LA0000000100	001393FACLT	2011	431 RS Nelson Unit 4
LA0000000100	001393FACLT	2011	3043 RS Nelson Unit 6
LA0000000100	006055FACLT	2011	3786 Big Cajun 2 Unit 1
LA0000000100	006055FACLT	2011	3528 Big Cajun 2 Unit 2
LA0000000100	006055FACLT	2011	3398 Big Cajun 2 Unit 3
LA0000000100	006055FACLT	2011	0 Big Cajun 2 Unit 4
LA0000000100	000051FACLT	2011	3931 Dolet Hills
LA0000000100	001402FACLT	2011	156 Entergy Little Gypsy 1
LA0000000100	001402FACLT	2011	193 Entergy Little Gypsy 2
LA0000000100	001402FACLT	2011	289 Entergy Little Gypsy 3
LA0000000100	001448FACLT	2011	0 Monroe - 11
LA0000000100	001448FACLT	2011	0 Monroe - 12
LA0000000100	001403FACLT	2011	62 Entergy Ninemile Point -1
LA0000000100	001403FACLT	2011	100 Entergy Ninemile Point -2
LA0000000100	001403FACLT	2011	68 Entergy Ninemile Point -3
LA0000000100	001403FACLT	2011	771 Entergy Ninemile Point -4
LA0000000100	001403FACLT	2011	808 Entergy Ninemile Point -5
LA0000000100	055620FACLT	2011	120 Perryville Power Station CT1
LA0000000100	055620FACLT	2011	137 Perryville Power Station CT2
LA0000000100	055620FACLT	2011	2 Perryville Power Station 2CT
LA0000000100	001404FACLT	2011	15 Sterlington - 7AB
LA0000000100	001404FACLT	2011	18 Sterlington - 7C
LA0000000100	001404FACLT	2011	158 Sterlington - 10
LA0000000100	008056FACLT	2011	424 Entergy Waterford 1 & 2 - 1
LA0000000100	008056FACLT	2011	351 Entergy Waterford 1 & 2 - 2
LA0000000100	001407FACLT	2011	8 Entergy A B Paterson - 3
LA0000000100	001407FACLT	2011	6 Entergy A B Paterson - 4
LA0000000100	001409FACLT	2011	43 Entergy Michoud - 1
LA0000000100	001409FACLT	2011	215 Entergy Michoud - 2
LA0000000100	001409FACLT	2011	554 Entergy Michoud - 3
LA0000000100	001392FACLT	2011	0 Entergy Louisiana 2 - 10
LA0000000100	001392FACLT	2011	0 Entergy Louisiana 2 - 11
LA0000000100	001392FACLT	2011	0 Entergy Louisiana 2 - 12
LA0000000100	001394FACLT	2011	62 Entergy Willow Glen - 1
LA0000000100	001394FACLT	2011	102 Entergy Willow Glen - 2
LA0000000100	001394FACLT	2011	113 Entergy Willow Glen - 3
LA0000000100	001394FACLT	2011	72 Entergy Willow Glen - 4
LA0000000100	001394FACLT	2011	197 Entergy Willow Glen - 5
LA0000000100	001400FACLT	2011	10 Teche Power Station - 2
LA0000000100	001400FACLT	2011	297 Teche Power Station - 3
LA0000000100	001416FACLT	2011	45 Arsenal Hill Power Plant
LA0000000100	001417FACLT	2011	13 Lieberman Power Plant - 3

LA0000000100	001417FACLT	2011	16 Lieberman Power Plant - 4
LA0000000100	001443FACLT	2011	8 Doc Bonin - 1
LA0000000100	001443FACLT	2011	33 Doc Bonin - 2
LA0000000100	001443FACLT	2011	103 Doc Bonin - 3
LA0000000100	001449FACLT	2011	28 Morgan City Electrical Gen Facility
LA0000000100	001439FACLT	2011	7 Houma - 15
LA0000000100	001439FACLT	2011	32 Houma - 16
LA0000000100	006558FACLT	2011	1 D G Hunter - 3
LA0000000100	006558FACLT	2011	2 D G Hunter - 4
LA0000000100	00FACLT	2011	65 Hargis-Hebert Electric Generating Station - U-1
LA0000000100	00FACLT	2011	65 Hargis-Hebert Electric Generating Station - U-2
LA0000000100	001450FACLT	2011	0 Natchitoches - 10
LA0000000100	001458FACLT	2011	0 Ruston - 2
LA0000000100	001458FACLT	2011	1 Ruston - 3
LA0000000100	00FACLT	2011	65 T J Labbe Electric G - U -1
LA0000000100	00FACLT	2011	65 T J Labbe Electric G - U -2
LA0000000100	055173FACLT	2011	24 Acadia Power Station - CT1
LA0000000100	055173FACLT	2011	20 Acadia Power Station - CT2
LA0000000100	055173FACLT	2011	26 Acadia Power Station - CT3
LA0000000100	055173FACLT	2011	23 Acadia Power Station - CT4
LA0000000100	055433FACLT	2011	1 Bayou Cove Peaking Power Plant - CTG1
LA0000000100	055433FACLT	2011	1 Bayou Cove Peaking Power Plant - CTG2
LA0000000100	055433FACLT	2011	1 Bayou Cove Peaking Power Plant - CTG3
LA0000000100	055433FACLT	2011	1 Bayou Cove Peaking Power Plant - CTG4
LA0000000100	001464FACLT	2011	34 Big Cajun 1 - CTG1
LA0000000100	001464FACLT	2011	22 Big Cajun 1 - CTG2
LA0000000100	001464FACLT	2011	0 Big Cajun 1 - 2B1
LA0000000100	001464FACLT	2011	0 Big Cajun 1 - 2B2
LA0000000100	055165FACLT	2011	16 Calcasieu Power, LLC -GTG1
LA0000000100	055165FACLT	2011	20 Calcasieu Power, LLC -GTG2
LA0000000100	055404FACLT	2011	81 Carville Energy Center - COG 1
LA0000000100	055404FACLT	2011	48 Carville Energy Center - COG 2
LA0000000100	001396FACLT	2011	92 Evangeline Power Station (Coughlin) - 7-2
LA0000000100	001396FACLT	2011	160 Evangeline Power Station (Coughlin) - 6-1
LA0000000100	001396FACLT	2011	94 Evangeline Power Station (Coughlin) - 7-1
LA0000000100	001391FACLT	2011	224 Exxon Mobil Louisiana 1 - 1A
LA0000000100	001391FACLT	2011	152 Exxon Mobil Louisiana 1 - 2A
LA0000000100	001391FACLT	2011	210 Exxon Mobil Louisiana 1 - 3A
LA0000000100	001391FACLT	2011	899 Exxon Mobil Louisiana 1 - 4A
LA0000000100	001391FACLT	2011	304 Exxon Mobil Louisiana 1 - 5A
LA0000000100	055419FACLT	2011	32 Plaquemine Cogen Facility - 500
LA0000000100	055419FACLT	2011	23 Plaquemine Cogen Facility - 600
LA0000000100	055419FACLT	2011	25 Plaquemine Cogen Facility - 700
LA0000000100	055419FACLT	2011	25 Plaquemine Cogen Facility - 800
LA0000000100	055467FACLT	2011	37 Quachita Power, LLC -CTGEN1
LA0000000100	055467FACLT	2011	36 Quachita Power, LLC -CTGEN2
LA0000000100	055467FACLT	2011	32 Quachita Power, LLC -CTGEN3
LA0000000100	055117FACLT	2011	0 R S Cogen - RS-4
LA0000000100	055117FACLT	2011	265 R S Cogen - RS-5
LA0000000100	055117FACLT	2011	268 R S Cogen - RS-6
LA0000000100	055089FACLT	2011	140 Taft Cogeneration Facility - CT1
LA0000000100	055089FACLT	2011	146 Taft Cogeneration Facility - CT2
LA0000000100	055089FACLT	2011	142 Taft Cogeneration Facility - CT3
LA0000000100	00FACLT	2011	641 NISCO Unit - 1A
LA0000000100	00FACLT	2011	508 NISCO Unit - 2A

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Issue	Facility	Year	Facility Name
LA0000000100	006190FACLT	2009	166 Rodemacher Unit 1
LA0000000100	006190FACLT	2009	1317 Rodemacher Unit 2
LA0000000100	006190FACLT	2009	1558 Rodemacher Unit 3
LA0000000100	001393FACLT	2009	79 RS Nelson Unit 3
LA0000000100	001393FACLT	2009	219 RS Nelson Unit 4
LA0000000100	001393FACLT	2009	1497 RS Nelson Unit 6
LA0000000100	006055FACLT	2009	1708 Big Cajun 2 Unit 1
LA0000000100	006055FACLT	2009	1670 Big Cajun 2 Unit 2
LA0000000100	006055FACLT	2009	1536 Big Cajun 2 Unit 3
LA0000000100	006055FACLT	2009	0 Big Cajun 2 Unit 4
LA0000000100	000051FACLT	2009	1894 Dolet Hills
LA0000000100	001402FACLT	2009	92 Entergy Little Gypsy 1
LA0000000100	001402FACLT	2009	108 Entergy Little Gypsy 2
LA0000000100	001402FACLT	2009	176 Entergy Little Gypsy 3
LA0000000100	001448FACLT	2009	0 Monroe - 11
LA0000000100	001448FACLT	2009	0 Monroe - 12
LA0000000100	001403FACLT	2009	32 Entergy Ninemile Point -1
LA0000000100	001403FACLT	2009	51 Entergy Ninemile Point -2
LA0000000100	001403FACLT	2009	47 Entergy Ninemile Point -3
LA0000000100	001403FACLT	2009	386 Entergy Ninemile Point -4
LA0000000100	001403FACLT	2009	430 Entergy Ninemile Point -5
LA0000000100	055620FACLT	2009	77 Perryville Power Station CT1
LA0000000100	055620FACLT	2009	92 Perryville Power Station CT2
LA0000000100	055620FACLT	2009	2 Perryville Power Station 2CT
LA0000000100	001404FACLT	2009	8 Sterlington - 7AB
LA0000000100	001404FACLT	2009	9 Sterlington - 7C
LA0000000100	001404FACLT	2009	86 Sterlington - 10
LA0000000100	008056FACLT	2009	243 Entergy Waterford 1 & 2 - 1
LA0000000100	008056FACLT	2009	195 Entergy Waterford 1 & 2 - 2
LA0000000100	001407FACLT	2009	7 Entergy A B Paterson - 3
LA0000000100	001407FACLT	2009	6 Entergy A B Paterson - 4
LA0000000100	001409FACLT	2009	28 Entergy Michoud - 1
LA0000000100	001409FACLT	2009	105 Entergy Michoud - 2
LA0000000100	001409FACLT	2009	305 Entergy Michoud - 3
LA0000000100	001392FACLT	2009	0 Entergy Louisiana 2 - 10
LA0000000100	001392FACLT	2009	0 Entergy Louisiana 2 - 11
LA0000000100	001392FACLT	2009	0 Entergy Louisiana 2 - 12
LA0000000100	001394FACLT	2009	27 Entergy Willow Glen - 1
LA0000000100	001394FACLT	2009	58 Entergy Willow Glen - 2
LA0000000100	001394FACLT	2009	76 Entergy Willow Glen - 3
LA0000000100	001394FACLT	2009	59 Entergy Willow Glen - 4
LA0000000100	001394FACLT	2009	97 Entergy Willow Glen - 5
LA0000000100	001400FACLT	2009	7 Teche Power Station - 2
LA0000000100	001400FACLT	2009	173 Teche Power Station - 3
LA0000000100	001416FACLT	2009	32 Arsenal Hill Power Plant
LA0000000100	001417FACLT	2009	11 Lieberman Power Plant - 3
LA0000000100	001417FACLT	2009	14 Lieberman Power Plant - 4
LA0000000100	001443FACLT	2009	7 Doc Bonin - 1
LA0000000100	001443FACLT	2009	17 Doc Bonin - 2
LA0000000100	001443FACLT	2009	72 Doc Bonin - 3
LA0000000100	001449FACLT	2009	17 Morgan City Electrical Gen Facility
LA0000000100	001439FACLT	2009	3 Houma - 15
LA0000000100	001439FACLT	2009	19 Houma - 16
LA0000000100	006558FACLT	2009	1 D G Hunter - 3
LA0000000100	006558FACLT	2009	2 D G Hunter - 4
LA0000000100	00FACLT	2009	28 Hargis-Hebert Electric Generating Station - U-1
LA0000000100	00FACLT	2009	28 Hargis-Hebert Electric Generating Station - U-2
LA0000000100	001450FACLT	2009	0 Natchitoches - 10
LA0000000100	001458FACLT	2009	0 Ruston - 2
LA0000000100	001458FACLT	2009	0 Ruston - 3
LA0000000100	00FACLT	2009	28 T J Labbe Electric G - U -1
LA0000000100	00FACLT	2009	28 T J Labbe Electric G - U -2
LA0000000100	055173FACLT	2009	20 Acadia Power Station - CT1
LA0000000100	055173FACLT	2009	15 Acadia Power Station - CT2
LA0000000100	055173FACLT	2009	5 Acadia Power Station - CT3
LA0000000100	055173FACLT	2009	11 Acadia Power Station - CT4
LA0000000100	055433FACLT	2009	0 Bayou Cove Peaking Power Plant - CTG1
LA0000000100	055433FACLT	2009	0 Bayou Cove Peaking Power Plant - CTG2



LA0000000100	055433FACLT	2009	0 Bayou Cove Peaking Power Plant - CTG3
LA0000000100	055433FACLT	2009	0 Bayou Cove Peaking Power Plant - CTG4
LA0000000100	001464FACLT	2009	5 Big Cajun 1 - CTG1
LA0000000100	001464FACLT	2009	5 Big Cajun 1 - CTG2
LA0000000100	001464FACLT	2009	22 Big Cajun 1 - 2B1
LA0000000100	001464FACLT	2009	35 Big Cajun 1 - 2B2
LA0000000100	055165FACLT	2009	10 Calcasieu Power, LLC -GTG1
LA0000000100	055165FACLT	2009	8 Calcasieu Power, LLC -GTG2
LA0000000100	055404FACLT	2009	55 Carville Energy Center - COG 1
LA0000000100	055404FACLT	2009	35 Carville Energy Center - COG 2
LA0000000100	001396FACLT	2009	76 Evangeline Power Station (Coughlin) - 7-2
LA0000000100	001396FACLT	2009	51 Evangeline Power Station (Coughlin) - 6-1
LA0000000100	001396FACLT	2009	45 Evangeline Power Station (Coughlin) - 7-1
LA0000000100	001391FACLT	2009	78 Exxon Mobil Louisiana 1 - 1A
LA0000000100	001391FACLT	2009	45 Exxon Mobil Louisiana 1 - 2A
LA0000000100	001391FACLT	2009	76 Exxon Mobil Louisiana 1 - 3A
LA0000000100	001391FACLT	2009	368 Exxon Mobil Louisiana 1 - 4A
LA0000000100	001391FACLT	2009	127 Exxon Mobil Louisiana 1 - 5A
LA0000000100	055419FACLT	2009	34 Plaquemine Cogen Facility - 500
LA0000000100	055419FACLT	2009	22 Plaquemine Cogen Facility - 600
LA0000000100	055419FACLT	2009	29 Plaquemine Cogen Facility - 700
LA0000000100	055419FACLT	2009	38 Plaquemine Cogen Facility - 800
LA0000000100	055467FACLT	2009	13 Quachita Power, LLC -CTGEN1
LA0000000100	055467FACLT	2009	13 Quachita Power, LLC -CTGEN2
LA0000000100	055467FACLT	2009	13 Quachita Power, LLC -CTGEN3
LA0000000100	055117FACLT	2009	0 R S Cogen - RS-4
LA0000000100	055117FACLT	2009	111 R S Cogen - RS-5
LA0000000100	055117FACLT	2009	109 R S Cogen - RS-6
LA0000000100	055089FACLT	2009	77 Taft Cogeneration Facility - CT1
LA0000000100	055089FACLT	2009	67 Taft Cogeneration Facility - CT2
LA0000000100	055089FACLT	2009	76 Taft Cogeneration Facility - CT3
LA0000000100	00FACLT	2009	251 NISCO Unit - 1A
LA0000000100	00FACLT	2009	207 NISCO Unit - 2A
LA0000000100	006190FACLT	2010	17085
LA0000000100	006190FACLT	2010	166 Rodemacher Unit 1
LA0000000100	006190FACLT	2010	1317 Rodemacher Unit 2
LA0000000100	001393FACLT	2010	1558 Rodemacher Unit 3
LA0000000100	001393FACLT	2010	79 RS Nelson Unit 3
LA0000000100	001393FACLT	2010	219 RS Nelson Unit 4
LA0000000100	001393FACLT	2010	1497 RS Nelson Unit 6
LA0000000100	006055FACLT	2010	1708 Big Cajun 2 Unit 1
LA0000000100	006055FACLT	2010	1670 Big Cajun 2 Unit 2
LA0000000100	006055FACLT	2010	1536 Big Cajun 2 Unit 3
LA0000000100	006055FACLT	2010	0 Big Cajun 2 Unit 4
LA0000000100	000051FACLT	2010	1894 Dolet Hills
LA0000000100	001402FACLT	2010	92 Entergy Little Gypsy 1
LA0000000100	001402FACLT	2010	108 Entergy Little Gypsy 2
LA0000000100	001402FACLT	2010	176 Entergy Little Gypsy 3
LA0000000100	001448FACLT	2010	0 Monroe - 11
LA0000000100	001448FACLT	2010	0 Monroe - 12
LA0000000100	001403FACLT	2010	32 Entergy Ninemile Point -1
LA0000000100	001403FACLT	2010	51 Entergy Ninemile Point -2
LA0000000100	001403FACLT	2010	47 Entergy Ninemile Point -3
LA0000000100	001403FACLT	2010	386 Entergy Ninemile Point -4
LA0000000100	001403FACLT	2010	430 Entergy Ninemile Point -5
LA0000000100	055620FACLT	2010	77 Perryville Power Station CT1
LA0000000100	055620FACLT	2010	92 Perryville Power Station CT2
LA0000000100	055620FACLT	2010	2 Perryville Power Station 2CT
LA0000000100	001404FACLT	2010	8 Sterlington - 7AB
LA0000000100	001404FACLT	2010	9 Sterlington - 7C
LA0000000100	001404FACLT	2010	86 Sterlington - 10
LA0000000100	008056FACLT	2010	243 Entergy Waterford 1 & 2 - 1
LA0000000100	008056FACLT	2010	195 Entergy Waterford 1 & 2 - 2
LA0000000100	001407FACLT	2010	7 Entergy A B Paterson - 3
LA0000000100	001407FACLT	2010	6 Entergy A B Paterson - 4
LA0000000100	001409FACLT	2010	28 Entergy Michoud - 1
LA0000000100	001409FACLT	2010	105 Entergy Michoud - 2
LA0000000100	001409FACLT	2010	305 Entergy Michoud - 3
LA0000000100	001392FACLT	2010	0 Entergy Louisiana 2 - 10
LA0000000100	001392FACLT	2010	0 Entergy Louisiana 2 - 11
LA0000000100	001392FACLT	2010	0 Entergy Louisiana 2 - 12
LA0000000100	001394FACLT	2010	27 Entergy Willow Glen - 1

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LA0000000100	001394FACLT	2010	58 Entergy Willow Glen - 2
LA0000000100	001394FACLT	2010	76 Entergy Willow Glen - 3
LA0000000100	001394FACLT	2010	59 Entergy Willow Glen - 4
LA0000000100	001394FACLT	2010	97 Entergy Willow Glen - 5
LA0000000100	001400FACLT	2010	7 Teche Power Station - 2
LA0000000100	001400FACLT	2010	173 Teche Power Station - 3
LA0000000100	001416FACLT	2010	32 Arsenal Hill Power Plant
LA0000000100	001417FACLT	2010	11 Lieberman Power Plant - 3
LA0000000100	001417FACLT	2010	14 Lieberman Power Plant - 4
LA0000000100	001443FACLT	2010	7 Doc Bonin - 1
LA0000000100	001443FACLT	2010	17 Doc Bonin - 2
LA0000000100	001443FACLT	2010	72 Doc Bonin - 3
LA0000000100	001449FACLT	2010	17 Morgan City Electrical Gen Facility
LA0000000100	001439FACLT	2010	3 Houma - 15
LA0000000100	001439FACLT	2010	19 Houma - 16
LA0000000100	006558FACLT	2010	1 D G Hunter - 3
LA0000000100	006558FACLT	2010	2 D G Hunter - 4
LA0000000100	00FACLT	2010	28 Hargis-Hebert Electric Generating Station - U-1
LA0000000100	00FACLT	2010	28 Hargis-Hebert Electric Generating Station - U-2
LA0000000100	001450FACLT	2010	0 Natchitoches - 10
LA0000000100	001458FACLT	2010	0 Ruston - 2
LA0000000100	001458FACLT	2010	0 Ruston - 3
LA0000000100	00FACLT	2010	28 T J Labbe Electric G - U -1
LA0000000100	00FACLT	2010	28 T J Labbe Electric G - U -2
LA0000000100	055173FACLT	2010	20 Acadia Power Station - CT1
LA0000000100	055173FACLT	2010	15 Acadia Power Station - CT2
LA0000000100	055173FACLT	2010	5 Acadia Power Station - CT3
LA0000000100	055173FACLT	2010	11 Acadia Power Station - CT4
LA0000000100	055433FACLT	2010	0 Bayou Cove Peaking Power Plant - CTG1
LA0000000100	055433FACLT	2010	0 Bayou Cove Peaking Power Plant - CTG2
LA0000000100	055433FACLT	2010	0 Bayou Cove Peaking Power Plant - CTG3
LA0000000100	055433FACLT	2010	0 Bayou Cove Peaking Power Plant - CTG4
LA0000000100	001464FACLT	2010	5 Big Cajun 1 - CTG1
LA0000000100	001464FACLT	2010	5 Big Cajun 1 - CTG2
LA0000000100	001464FACLT	2010	22 Big Cajun 1 - 2B1
LA0000000100	001464FACLT	2010	35 Big Cajun 1 - 2B2
LA0000000100	055165FACLT	2010	10 Calcasieu Power, LLC -GTG1
LA0000000100	055165FACLT	2010	8 Calcasieu Power, LLC -GTG2
LA0000000100	055404FACLT	2010	55 Carville Energy Center - COG 1
LA0000000100	055404FACLT	2010	35 Carville Energy Center - COG 2
LA0000000100	001396FACLT	2010	76 Evangeline Power Station (Coughlin) - 7-2
LA0000000100	001396FACLT	2010	51 Evangeline Power Station (Coughlin) - 6-1
LA0000000100	001396FACLT	2010	45 Evangeline Power Station (Coughlin) - 7-1
LA0000000100	001391FACLT	2010	78 Exxon Mobil Louisiana 1 - 1A
LA0000000100	001391FACLT	2010	45 Exxon Mobil Louisiana 1 - 2A
LA0000000100	001391FACLT	2010	76 Exxon Mobil Louisiana 1 - 3A
LA0000000100	001391FACLT	2010	368 Exxon Mobil Louisiana 1 - 4A
LA0000000100	001391FACLT	2010	127 Exxon Mobil Louisiana 1 - 5A
LA0000000100	055419FACLT	2010	34 Plaquemine Cogen Facility - 500
LA0000000100	055419FACLT	2010	22 Plaquemine Cogen Facility - 600
LA0000000100	055419FACLT	2010	29 Plaquemine Cogen Facility - 700
LA0000000100	055419FACLT	2010	38 Plaquemine Cogen Facility - 800
LA0000000100	055467FACLT	2010	13 Quachita Power, LLC -CTGEN1
LA0000000100	055467FACLT	2010	13 Quachita Power, LLC -CTGEN2
LA0000000100	055467FACLT	2010	13 Quachita Power, LLC -CTGEN3
LA0000000100	055117FACLT	2010	0 R S Cogen - RS-4
LA0000000100	055117FACLT	2010	111 R S Cogen - RS-5
LA0000000100	055117FACLT	2010	109 R S Cogen - RS-6
LA0000000100	055089FACLT	2010	77 Taft Cogeneration Facility - CT1
LA0000000100	055089FACLT	2010	67 Taft Cogeneration Facility - CT2
LA0000000100	055089FACLT	2010	76 Taft Cogeneration Facility - CT3
LA0000000100	00FACLT	2010	251 NISCO Unit - 1A
LA0000000100	00FACLT	2010	207 NISCO Unit - 2A
LA0000000100	006190FACLT	2011	17085
LA0000000100	006190FACLT	2011	166 Rodemacher Unit 1
LA0000000100	006190FACLT	2011	1317 Rodemacher Unit 2
LA0000000100	006190FACLT	2011	1558 Rodemacher Unit 3
LA0000000100	001393FACLT	2011	79 RS Nelson Unit 3
LA0000000100	001393FACLT	2011	219 RS Nelson Unit 4
LA0000000100	001393FACLT	2011	1497 RS Nelson Unit 6
LA0000000100	006055FACLT	2011	1708 Big Cajun 2 Unit 1
LA0000000100	006055FACLT	2011	1670 Big Cajun 2 Unit 2

LA0000000100	006055FACLT	2011	1536 Big Cajun 2 Unit 3
LA0000000100	006055FACLT	2011	0 Big Cajun 2 Unit 4
LA0000000100	000051FACLT	2011	1894 Dolet Hills
LA0000000100	001402FACLT	2011	92 Entergy Little Gypsy 1
LA0000000100	001402FACLT	2011	108 Entergy Little Gypsy 2
LA0000000100	001402FACLT	2011	176 Entergy Little Gypsy 3
LA0000000100	001448FACLT	2011	0 Monroe - 11
LA0000000100	001448FACLT	2011	0 Monroe - 12
LA0000000100	001403FACLT	2011	32 Entergy Ninemile Point -1
LA0000000100	001403FACLT	2011	51 Entergy Ninemile Point -2
LA0000000100	001403FACLT	2011	47 Entergy Ninemile Point -3
LA0000000100	001403FACLT	2011	386 Entergy Ninemile Point -4
LA0000000100	001403FACLT	2011	430 Entergy Ninemile Point -5
LA0000000100	055620FACLT	2011	77 Perryville Power Station CT1
LA0000000100	055620FACLT	2011	92 Perryville Power Station CT2
LA0000000100	055620FACLT	2011	2 Perryville Power Station 2CT
LA0000000100	001404FACLT	2011	8 Sterlington - 7AB
LA0000000100	001404FACLT	2011	9 Sterlington - 7C
LA0000000100	001404FACLT	2011	86 Sterlington - 10
LA0000000100	008056FACLT	2011	243 Entergy Waterford 1 & 2 - 1
LA0000000100	008056FACLT	2011	195 Entergy Waterford 1 & 2 - 2
LA0000000100	001407FACLT	2011	7 Entergy A B Paterson - 3
LA0000000100	001407FACLT	2011	6 Entergy A B Paterson - 4
LA0000000100	001409FACLT	2011	28 Entergy Michoud - 1
LA0000000100	001409FACLT	2011	105 Entergy Michoud - 2
LA0000000100	001409FACLT	2011	305 Entergy Michoud - 3
LA0000000100	001392FACLT	2011	0 Entergy Louisiana 2 - 10
LA0000000100	001392FACLT	2011	0 Entergy Louisiana 2 - 11
LA0000000100	001392FACLT	2011	0 Entergy Louisiana 2 - 12
LA0000000100	001394FACLT	2011	27 Entergy Willow Glen - 1
LA0000000100	001394FACLT	2011	58 Entergy Willow Glen - 2
LA0000000100	001394FACLT	2011	76 Entergy Willow Glen - 3
LA0000000100	001394FACLT	2011	59 Entergy Willow Glen - 4
LA0000000100	001394FACLT	2011	97 Entergy Willow Glen - 5
LA0000000100	001400FACLT	2011	7 Teche Power Station - 2
LA0000000100	001400FACLT	2011	173 Teche Power Station - 3
LA0000000100	001416FACLT	2011	32 Arsenal Hill Power Plant
LA0000000100	001417FACLT	2011	11 Lieberman Power Plant - 3
LA0000000100	001417FACLT	2011	14 Lieberman Power Plant - 4
LA0000000100	001443FACLT	2011	7 Doc Bonin - 1
LA0000000100	001443FACLT	2011	17 Doc Bonin - 2
LA0000000100	001443FACLT	2011	72 Doc Bonin - 3
LA0000000100	001449FACLT	2011	17 Morgan City Electrical Gen Facility
LA0000000100	001439FACLT	2011	3 Houma - 15
LA0000000100	001439FACLT	2011	19 Houma - 16
LA0000000100	006558FACLT	2011	1 D G Hunter - 3
LA0000000100	006558FACLT	2011	2 D G Hunter - 4
LA0000000100	00FACLT	2011	28 Hargis-Hebert Electric Generating Station - U-1
LA0000000100	00FACLT	2011	28 Hargis-Hebert Electric Generating Station - U-2
LA0000000100	001450FACLT	2011	0 Natchitoches - 10
LA0000000100	001458FACLT	2011	0 Ruston - 2
LA0000000100	001458FACLT	2011	0 Ruston - 3
LA0000000100	00FACLT	2011	28 T J Labbe Electric G - U -1
LA0000000100	00FACLT	2011	28 T J Labbe Electric G - U -2
LA0000000100	055173FACLT	2011	20 Acadia Power Station - CT1
LA0000000100	055173FACLT	2011	15 Acadia Power Station - CT2
LA0000000100	055173FACLT	2011	5 Acadia Power Station - CT3
LA0000000100	055173FACLT	2011	11 Acadia Power Station - CT4
LA0000000100	055433FACLT	2011	0 Bayou Cove Peaking Power Plant - CTG1
LA0000000100	055433FACLT	2011	0 Bayou Cove Peaking Power Plant - CTG2
LA0000000100	055433FACLT	2011	0 Bayou Cove Peaking Power Plant - CTG3
LA0000000100	055433FACLT	2011	0 Bayou Cove Peaking Power Plant - CTG4
LA0000000100	001464FACLT	2011	5 Big Cajun 1 - CTG1
LA0000000100	001464FACLT	2011	5 Big Cajun 1 - CTG2
LA0000000100	001464FACLT	2011	22 Big Cajun 1 - 2B1
LA0000000100	001464FACLT	2011	35 Big Cajun 1 - 2B2
LA0000000100	055165FACLT	2011	10 Calcasieu Power, LLC -GTG1
LA0000000100	055165FACLT	2011	8 Calcasieu Power, LLC -GTG2
LA0000000100	055404FACLT	2011	55 Carville Energy Center - COG 1
LA0000000100	055404FACLT	2011	35 Carville Energy Center - COG 2
LA0000000100	001396FACLT	2011	76 Evangeline Power Station (Coughlin) - 7-2
LA0000000100	001396FACLT	2011	51 Evangeline Power Station (Coughlin) - 6-1

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LA0000000100	001396FACLT	2011	45 Evangeline Power Station (Coughlin) - 7-1
LA0000000100	001391FACLT	2011	78 Exxon Mobil Louisiana 1 - 1A
LA0000000100	001391FACLT	2011	45 Exxon Mobil Louisiana 1 - 2A
LA0000000100	001391FACLT	2011	76 Exxon Mobil Louisiana 1 - 3A
LA0000000100	001391FACLT	2011	368 Exxon Mobil Louisiana 1 - 4A
LA0000000100	001391FACLT	2011	127 Exxon Mobil Louisiana 1 - 5A
LA0000000100	055419FACLT	2011	34 Plaquemine Cogen Facility - 500
LA0000000100	055419FACLT	2011	22 Plaquemine Cogen Facility - 600
LA0000000100	055419FACLT	2011	29 Plaquemine Cogen Facility - 700
LA0000000100	055419FACLT	2011	38 Plaquemine Cogen Facility - 800
LA0000000100	055467FACLT	2011	13 Quachita Power, LLC -CTGEN1
LA0000000100	055467FACLT	2011	13 Quachita Power, LLC -CTGEN2
LA0000000100	055467FACLT	2011	13 Quachita Power, LLC -CTGEN3
LA0000000100	055117FACLT	2011	0 R S Cogen - RS-4
LA0000000100	055117FACLT	2011	111 R S Cogen - RS-5
LA0000000100	055117FACLT	2011	109 R S Cogen - RS-6
LA0000000100	055089FACLT	2011	77 Taft Cogeneration Facility - CT1
LA0000000100	055089FACLT	2011	67 Taft Cogeneration Facility - CT2
LA0000000100	055089FACLT	2011	76 Taft Cogeneration Facility - CT3
LA0000000100	00FACLT	2011	251 NISCO Unit - 1A
LA0000000100	00FACLT	2011	207 NISCO Unit - 2A
			17085

	Unit	Average (2002- 2004)	Allocation	
	Type	Capacity (MW)	NOx (tons)	NOx (tons)
Acadia Power Station-CT1	IPP	171	24	24
Acadia Power Station-CT2	IPP	171	20	20
Acadia Power Station-CT3	IPP	171	26	26
Acadia Power Station-CT4	IPP	171	23	23
Acadia Power Station-ST1	IPP	190	-	-
Acadia Power Station-ST2	IPP	190	-	-
Bayou Cove Peaking Power Plant				
Bayou Cove Peaking Power Plant-CTG-1	IPP	75	1	1
Bayou Cove Peaking Power Plant-CTG-2	IPP	75	1	1
Bayou Cove Peaking Power Plant-CTG-3	IPP	75	1	1
Bayou Cove Peaking Power Plant-CTG-4	IPP	75	1	1
Big Cajun 1				
Big Cajun 1-CTG2	IPP	105	22	22
Big Cajun 1-CTG1	IPP	105	34	34
Big Cajun 1-2B1	IPP	110	-	-
Big Cajun 1-2B2	IPP	110	-	-
Calcasieu Power, LLC				
Calcasieu Power, LLC-GTG2	IPP	160	20	20
Calcasieu Power, LLC-GTG1	IPP	150	16	16
Carville Energy Center				
Carville Energy Center-COG01	Cogen	180	81	81
Carville Energy Center-COG02	Cogen	180	48	48
Evangeline Power Station				
Evangeline Power Station (Coughlin)-7-2	IPP	154	92	92
Evangeline Power Station (Coughlin)-7-1	IPP	154	94	94
Evangeline Power Station (Coughlin)-6-1	IPP	157	160	160
Exxon Mobil				
Louisiana 1-1A	Cogen	133	224	224
Louisiana 1-3A	Cogen	133	210	210
Louisiana 1-2A	Cogen	133	152	152
Louisiana 1-4A	Cogen	247	899	899
Louisiana 1-5A	Cogen	154	304	304
Plaquemine Cogen Facility				
Plaquemine Cogen Facility-500	Cogen	169	32	32
Plaquemine Cogen Facility-800	Cogen	169	25	25
Plaquemine Cogen Facility-700	Cogen	169	25	25
Plaquemine Cogen Facility-600	Cogen	169	23	23
Quachita Power, LLC				
Quachita Power, LLC-CTGEN1	IPP	161	37	37
Quachita Power, LLC-CTGEN2	IPP	161	36	36
Quachita Power, LLC-CTGEN3	IPP	161	32	32
Quachita Power, LLC-ST1	IPP	111	-	-
Quachita Power, LLC-ST2	IPP	111	-	-
Quachita Power, LLC-ST3	IPP	111	-	-
R S Cogen				
R S Cogen-RS-5	Cogen	168	265	265
R S Cogen-RS-6	Cogen	168	268	268
R S Cogen-RS-4	Cogen	60	-	-
Taft Cogeneration Facility				
Taft Cogeneration Facility-CT2	Cogen	155	146	146
Taft Cogeneration Facility-CT1	Cogen	155	140	140
Taft Cogeneration Facility-CT3	Cogen	155	142	142
NISCO Unit 1A	Cogen	130	641	641
Unit 2A	Cogen	130	508	508
			4771.668	4772
				4773

Note: non-regulated facilities allowances are based on Nox emissions from previous years. See LAC 33:III.506.A

		Unit	Capacity (MW)	Heat Input (MMBtu)			Average 2002-04 (MMBtu)	Fuel Adjustment	Adjusted Heat Input (MMBtu)	Allocation	
				2002	2003	2004				Percent of Total (%)	2009 Allowance ---(tons)---
											30,742
<b>UTILITY - COAL</b>											
EGSI	R S Nelson--6	UT	550	40,107,832	35,780,852	41,291,126	39,059,937	1.0	39,059,937	9.9%	3,043
CLECO	Dolet Hills Power Station--1	UT	650	47,370,461	51,786,486	52,218,328	50,462,425	1.0	50,462,425	12.8%	3,931
CLECO	Rodemacher Power Station (6190)--2	UT	523	33,458,655	34,534,633	34,607,396	34,200,228	1.0	34,200,228	8.7%	2,664
CLECO	Rodemacher Power Station (6190)--3	UT	660						45,674,640	11.6%	3,558
Big Cajun 2	Big Cajun 2--2B3	UT	575	39,957,661	41,693,864	49,203,570	43,618,365	1.0	43,618,365	11.1%	3,398
Big Cajun 2	Big Cajun 2--2B1	UT	580	50,644,765	46,045,445	49,099,171	48,596,460	1.0	48,596,460	12.3%	3,786
Big Cajun 2	Big Cajun 2--2B2	UT	575	44,799,298	49,456,975	41,579,245	45,278,506	1.0	45,278,506	11.5%	3,528
Big Cajun 2	Big Cajun 2--2B4	UT	-							0.0%	-
<b>UTILITY - GAS</b>											
ELL	Little Gypsy--1	UT	238	6,002,666	5,347,176	3,631,164	4,993,669	0.4	1,997,467	0.5%	156
ELL	Little Gypsy--2	UT	415	6,526,815	5,553,625	6,506,733	6,195,724	0.4	2,478,290	0.6%	193
ELL	Little Gypsy--3	UT	545	15,599,579	5,595,526	6,650,749	9,281,951	0.4	3,712,781	0.9%	289
ELL	Monroe--11	UT	33	5,301		649	1,983	0.4	783	0.0%	0
ELL	Monroe--12	UT	72					0.4		0.0%	-
ELL	Ninemile Point--1	UT	50	2,101,666	1,468,754	2,371,057	1,980,492	0.4	792,197	0.2%	62
ELL	Ninemile Point--2	UT	60	4,229,985	2,319,816	3,091,392	3,213,864	0.4	1,285,466	0.3%	100
ELL	Ninemile Point--3	UT	125	2,292,532	2,054,435	2,159,068	2,168,678	0.4	867,471	0.2%	68
ELL	Ninemile Point--4	UT	730	28,716,108	26,013,125	19,501,895	24,743,376	0.4	9,897,350	2.5%	771
ELL	Ninemile Point--5	UT	740	31,608,173	17,950,396	28,370,612	25,943,060	0.4	10,377,224	2.6%	808
ELL	Perryville Power Station--2CT	UT	158	28,058	46,260	102,816	59,055	0.4	23,622	0.0%	2
ELL	Perryville Power Station--CT1	UT	169	2,173,910	3,071,465	6,339,447	3,861,607	0.4	1,544,643	0.4%	120
ELL	Perryville Power Station--CT2	UT	169	3,544,553	3,071,599	6,594,656	4,403,603	0.4	1,761,441	0.4%	137
ELL	Sterlington--10	UT	225	9,184,867	4,360,661	1,688,158	5,084,582	0.4	2,033,825	0.5%	158
ELL	Sterlington--7AB	UT	94	797,816	533,306	152,605	494,576	0.4	197,830	0.1%	15
ELL	Sterlington--7C	UT	93	971,079	501,684	255,184	575,982	0.4	230,393	0.1%	18
ELL	Waterford 1 & 2--1	UT	411	11,882,651	15,106,947	13,832,353	13,607,317	0.4	5,442,927	1.4%	424
ELL	Waterford 1 & 2--2	UT	411	10,107,024	10,176,482	13,468,847	11,250,784	0.4	4,500,314	1.1%	351
ENO	A B Paterson--3	UT	50	611,133		148,262	253,132	0.4	101,253	0.0%	8
ENO	A B Paterson--4	UT	72	573,780			191,260	0.4	76,504	0.0%	6
ENO	Michoud--1	UT	85	1,408,510	934,531	1,782,800	1,375,214	0.4	550,085	0.1%	43
ENO	Michoud--2	UT	244	6,730,065	9,243,544	4,745,143	6,906,251	0.4	2,762,500	0.7%	215
ENO	Michoud--3	UT	545	20,730,139	14,149,906	18,438,086	17,772,710	0.4	7,109,084	1.8%	554
EGSI	Louisiana 2--10	UT	40	1,842		1,841	1,228	0.4	491	0.0%	0
EGSI	Louisiana 2--11	UT	40	1,304		2,078	1,127	0.4	451	0.0%	0
EGSI	Louisiana 2--12	UT	60	9,010		5,429	4,813	0.4	1,925	0.0%	0
EGSI	R S Nelson--3	UT	153	6,200,274	5,526,387	4,584,879	5,430,513	0.4	2,172,205	0.6%	169
EGSI	R S Nelson--4	UT	500	19,129,818	10,604,080	11,748,343	13,827,347	0.4	5,530,939	1.4%	431
EGSI	Willow Glen--1	UT	152	3,072,757	2,052,306	822,369	1,982,477	0.4	792,991	0.2%	62
EGSI	Willow Glen--2	UT	205	4,497,247	2,647,984	2,659,087	3,268,106	0.4	1,307,242	0.3%	102
EGSI	Willow Glen--3	UT	450	10,769,351		137,718	3,635,690	0.4	1,454,276	0.4%	113
EGSI	Willow Glen--4	UT	540	4,193,488	2,605,807	104,499	2,301,265	0.4	920,506	0.2%	72
EGSI	Willow Glen--5	UT	485	13,608,719	3,250,188	2,104,071	6,320,993	0.4	2,528,397	0.6%	197
CLECO	Rodemacher Power Station--1	UT	440	15,199,306	8,640,100	8,026,577	10,621,994	0.4	4,248,798	1.1%	331
CLECO	Teche Power Station--2	UT	48	222,638	39,150	687,344	316,377	0.4	126,551	0.0%	10
CLECO	Teche Power Station--3	UT	359	8,367,434	11,590,752	8,668,416	9,542,201	0.4	3,816,880	1.0%	297
SWEPCO	Arsenal Hill Power Plant--5A	UT	110	1,575,214	1,374,073	1,422,206	1,457,164	0.4	582,866	0.1%	45
SWEPCO	Lieberman Power Plant--4	UT	108	690,443	708,134	136,307	511,628	0.4	204,651	0.1%	16
SWEPCO	Lieberman Power Plant--3	UT	112	618,655	582,883	71,300	424,213	0.4	169,685	0.0%	13
<b>MUNICIPAL - GAS</b>											
Lafayette Util	Doc Bonin--2	Muni	84	616,505	773,834	1,754,442	1,048,194	0.4	419,277	0.1%	33
Morgan City	Morgan City Electrical Gen Facility--4	Muni	36	949,573	768,217	1,009,764	909,185	0.4	363,674	0.1%	28
Lafayette Util	Doc Bonin--3	Muni	173	4,157,600	2,644,532	3,151,399	3,317,844	0.4	1,327,137	0.3%	103

		Unit	Capacity (MW)	Heat Input (MMBtu)			Average 2002-04 (MMBtu)	Fuel Adjustment	Adjusted Heat Input (MMBtu)	Allocation		
				2002	2003	2004				Percent of Total	2009 Allowance	
										(%)	---(tons)---	
Terrebonne	Houma--15	Muni	24	68,225	94,778	472,848	211,950	0.4	84,780	0.0%	7	7
Terrebonne	Houma--16	Muni	39	1,140,443	1,084,308	832,525	1,019,062	0.4	407,637	0.1%	32	32
Lafayette Util	Doc Bonin--1	Muni	45	44,707	63,664	705,677	271,349	0.4	108,540	0.0%	8	8
City of Alexan	D G Hunter--3	Muni	47	46,873	85,532	-	44,135	0.4	17,654	0.0%	1	1
City of Alexan	D G Hunter--4	Muni	78	77,566	160,924	-	79,497	0.4	31,798	0.0%	2	2
Lafayette Util	Hargis-Hebert Electric Generating Station--U-1	Muni	14					0.4	830,317	0.2%	65	65
Lafayette Util	Hargis-Hebert Electric Generating Station--U-2	Muni	14					0.4	830,317	0.2%	65	65
	Natchitoches--10	Muni	26	2,027	22,065	17,141	13,744	0.4	5,498	0.0%	0	
City of Ruston	Ruston--2	Muni	25	8,935	11,828	-	6,921	0.4	2,768	0.0%	0	
City of Ruston	Ruston--3	Muni	40	59,740	11,281	-	23,674	0.4	9,469	0.0%	1	1
Lafayette Util	T J Labbe Electric G--U-1	Muni	14					0.4	830,317	0.2%	65	65
Lafayette Util	T J Labbe Electric G--U-2	Muni	14					0.4	830,317	0.2%	65	65
Total:									394,592,376	100.0%	30,742	30,739

Note: regulated facilities allowances are based on previous heat inputs. See LAC 33:III,506.A. After 2014, 35512 In cell U6 changes to 29593

		Unit		Average (2002- 2004)	Allocation	
		Type	Capacity (MW)	NOx (tons)	NOx (tons)	
	Acadia Power Station--CT1	IPP	171	20	20	20
	Acadia Power Station--CT2	IPP	171	15	15	15
	Acadia Power Station--CT3	IPP	171	5	5	5
	Acadia Power Station--CT4	IPP	171	11	11	11
	Acadia Power Station--ST1	IPP	190	-	-	
	Acadia Power Station--ST2	IPP	190	-	-	
	Bayou Cove Peaking Power Plant					
	Bayou Cove Peaking Power Plant--CTG-1	IPP	75	-	-	
	Bayou Cove Peaking Power Plant--CTG-2	IPP	75	-	-	
	Bayou Cove Peaking Power Plant--CTG-3	IPP	75	-	-	
	Bayou Cove Peaking Power Plant--CTG-4	IPP	75	-	-	
	Big Cajun 1					
	Big Cajun 1--CTG2	IPP	105	5	5	5
	Big Cajun 1--CTG1	IPP	105	5	5	5
	Big Cajun 1--2B1	IPP	110	22	22	22
	Big Cajun 1--2B2	IPP	110	35	35	35
	Calcasieu Power, LLC					
	Calcasieu Power, LLC--GTG2	IPP	160	8	8	8
	Calcasieu Power, LLC--GTG1	IPP	150	10	10	10
	Carville Energy Center					
	Carville Energy Center--COG01	Cogen	180	55	55	55
	Carville Energy Center--COG02	Cogen	180	35	35	35
	Evangeline Power Station					
	Evangeline Power Station (Coughlin)--7-2	IPP	154	76	76	76
	Evangeline Power Station (Coughlin)--7-1	IPP	154	45	45	45
	Evangeline Power Station (Coughlin)--6-1	IPP	157	51	51	51
	Exxon Mobil					
	Louisiana 1--1A	Cogen	133	78	78	78
	Louisiana 1--3A	Cogen	133	76	76	76
	Louisiana 1--2A	Cogen	133	45	45	45
	Louisiana 1--4A	Cogen	247	368	368	368
	Louisiana 1--5A	Cogen	154	127	127	127
	Plaquemine Cogen Facility					
	Plaquemine Cogen Facility--500	Cogen	169	34	34	34
	Plaquemine Cogen Facility--800	Cogen	169	38	38	38
	Plaquemine Cogen Facility--700	Cogen	169	29	29	29
	Plaquemine Cogen Facility--600	Cogen	169	22	22	22
	Quachita Power, LLC					
	Quachita Power, LLC--CTGEN1	IPP	161	13	13	13
	Quachita Power, LLC--CTGEN2	IPP	161	13	13	13
	Quachita Power, LLC--CTGEN3	IPP	161	13	13	13
	Quachita Power, LLC--ST1	IPP	111	-	-	
	Quachita Power, LLC--ST2	IPP	111	-	-	
	Quachita Power, LLC--ST3	IPP	111	-	-	
	R S Cogen					
	R S Cogen--RS-5	Cogen	168	111	111	111
	R S Cogen--RS-6	Cogen	168	109	109	109
	R S Cogen--RS-4	Cogen	60	-	-	



Taft Cogeneration Facility						
	Taft Cogeneration Facility--CT2	Cogen	155	67	67	67
	Taft Cogeneration Facility--CT1	Cogen	155	77	77	77
	Taft Cogeneration Facility--CT3	Cogen	155	76	76	76
NISCO	Unit 1A	Cogen	130	251	251	251
	Unit 2A	Cogen	130	207	207	207
				2152.000	2152	2152

		Unit	Heat Input (MMBtu)			Average	Fuel	Adjusted	Final Allocation		
		Type	Capacity	2002	2003	2004	2002-04	Adjustment	Heat	Percent	2009
			(MW)				(MMBtu)		Input	of Total	Allowance
									(MMBtu)	(%)	—(tons)—
											14,935
UTILITY - COAL											
EGSI	R S Nelson-6	UT	550	15,541,714	18,165,807	21,177,831	18,295,117	1.0	18,295,117	10.0%	1,497
CLECO	Dolet Hills Power Station-1	UT	650	23,241,711	22,767,923	23,396,465	23,135,366	1.0	23,135,366	12.7%	1,894
CLECO	Rodemacher Power Station (6190)-2	UT	523	16,896,497	14,428,904	16,941,310	16,088,904	1.0	16,088,904	8.8%	1,317
CLECO	Rodemacher Power Station (6190)-3	UT	600						19,031,100	10.4%	1,558
Big Cajun 2	Big Cajun 2-2B3	UT	575	19,795,280	16,466,365	20,029,355	18,763,660	1.0	18,763,660	10.3%	1,536
Big Cajun 2	Big Cajun 2-2B1	UT	580	20,205,423	21,492,727	20,896,247	20,864,799	1.0	20,864,799	11.4%	1,708
Big Cajun 2	Big Cajun 2-2B2	UT	575	19,233,510	20,252,509	21,732,472	20,406,164	1.0	20,406,164	11.2%	1,670
Big Cajun 2	Big Cajun 2-2B4	UT	675						-	0.0%	-
UTILITY - GAS											
ELL	Little Gypsy-1	UT	238	3,620,785	2,279,462	2,502,906	2,801,051	0.4	1,120,420	0.6%	92
ELL	Little Gypsy-2	UT	415	3,292,320	3,204,449	3,444,517	3,313,762	0.4	1,325,505	0.7%	108
ELL	Little Gypsy-3	UT	545	8,263,563	4,905,359	2,996,657	5,388,526	0.4	2,155,411	1.2%	176
ELL	Monroe-11	UT	33	5,301	-	849	1,983	0.4	793	0.0%	0
ELL	Monroe-12	UT	72	-	-	-	-	0.4	-	0.0%	-
ELL	Ninemile Point-1	UT	50	1,050,254	675,060	1,216,860	980,725	0.4	392,290	0.2%	32
ELL	Ninemile Point-2	UT	60	1,984,646	1,233,059	1,466,834	1,561,513	0.4	624,605	0.3%	51
ELL	Ninemile Point-3	UT	125	1,649,528	1,307,474	1,388,924	1,448,642	0.4	579,457	0.3%	47
ELL	Ninemile Point-4	UT	730	13,930,203	10,443,719	11,021,974	11,798,632	0.4	4,719,453	2.6%	386
ELL	Ninemile Point-5	UT	740	15,721,954	9,102,410	14,804,418	13,142,927	0.4	5,257,171	2.9%	430
ELL	Perryville Power Station-2CT	UT	156	28,058	46,290	80,298	51,549	0.4	20,619	0.0%	2
ELL	Perryville Power Station-CT1	UT	169	1,994,383	1,974,419	3,056,990	2,341,924	0.4	936,770	0.5%	77
ELL	Perryville Power Station-CT2	UT	169	3,361,696	1,908,889	3,148,914	2,806,500	0.4	1,122,600	0.6%	92
ELL	Sterlington-10	UT	225	4,247,405	2,225,278	1,410,409	2,627,697	0.4	1,051,079	0.6%	86
ELL	Sterlington-7AB	UT	94	565,415	148,131	59,594	257,713	0.4	103,085	0.1%	8
ELL	Sterlington-7C	UT	93	627,841	157,590	77,708	287,713	0.4	115,085	0.1%	9
ELL	Waterford 1 & 2-1	UT	411	7,094,866	6,834,059	8,562,022	7,430,316	0.4	2,972,126	1.6%	243
ELL	Waterford 1 & 2-2	UT	411	4,871,725	5,371,822	7,612,769	5,952,105	0.4	2,380,842	1.3%	195
ENO	A B Paterson-3	UT	50	494,719	-	137,616	210,778	0.4	84,311	0.0%	7
ENO	A B Paterson-4	UT	72	511,228	-	-	170,409	0.4	68,164	0.0%	6
ENO	Michoud-1	UT	65	958,413	613,198	1,024,392	865,334	0.4	346,134	0.2%	28
ENO	Michoud-2	UT	244	3,245,531	3,749,378	2,627,283	3,207,397	0.4	1,282,959	0.7%	105
ENO	Michoud-3	UT	545	11,525,033	8,512,105	7,870,973	9,302,704	0.4	3,721,081	2.0%	305
EGSI	Louisiana 2-10	UT	40	17	-	1,841	619	0.4	248	0.0%	0
EGSI	Louisiana 2-11	UT	40	1,304	-	2,078	1,127	0.4	451	0.0%	0
EGSI	Louisiana 2-12	UT	60	460	-	5,429	1,963	0.4	785	0.0%	0
EGSI	R S Nelson-3	UT	153	3,183,307	2,113,371	1,959,589	2,418,756	0.4	967,502	0.5%	79
EGSI	R S Nelson-4	UT	500	9,861,406	4,603,004	5,586,055	6,683,488	0.4	2,673,395	1.5%	219
EGSI	Willow Glen-1	UT	152	1,499,412	988,384	23,605	837,134	0.4	334,853	0.2%	27

EGSI	Willow Glen-2	UT	205	2,451,182	1,034,846	1,803,249	1,763,092	0.4	705,237	0.4%	58	58
EGSI	Willow Glen-3	UT	450	6,844,542	-	137,718	2,327,420	0.4	930,968	0.5%	76	76
EGSI	Willow Glen-4	UT	540	3,634,637	1,808,666	-	1,814,434	0.4	725,774	0.4%	59	59
EGSI	Willow Glen-5	UT	485	7,661,968	883,228	312,692	2,952,629	0.4	1,181,051	0.6%	97	97
CLECO	Rodemacher Power Station-1	UT	440	7,349,264	4,457,458	3,375,625	5,060,782	0.4	2,024,313	1.1%	166	166
CLECO	Teche Power Station-2	UT	48	98,512	39,150	528,093	221,918	0.4	88,767	0.0%	7	7
CLECO	Teche Power Station-3	UT	359	5,220,542	5,706,788	4,925,892	5,284,407	0.4	2,113,763	1.2%	173	173
SWEP CO	Arsenal Hill Power Plant-5A	UT	110	1,105,432	1,010,915	812,187	976,178	0.4	390,471	0.2%	32	32
SWEP CO	Lieberman Power Plant-4	UT	108	552,316	552,922	136,307	413,848	0.4	165,539	0.1%	14	14
SWEP CO	Lieberman Power Plant-3	UT	112	447,684	503,543	26,924	326,050	0.4	130,420	0.1%	11	11
MUNICIPAL - GAS												
Lafayette Utilities System	Doc Bonin-2	Muni	84	107,224	564,438	897,926	523,196	0.4	209,278	0.1%	17	17
Morgan City	Morgan City Electrical Gen Facility-4	Muni	36	545,517	533,829	517,377	532,241	0.4	212,896	0.1%	17	17
Lafayette Utilities System	Doc Bonin-3	Muni	173	2,483,245	1,959,306	2,155,330	2,199,294	0.4	879,717	0.5%	72	72
Terrebonne	Houma-15	Muni	24	36,588	32,983	182,724	84,098	0.4	33,639	0.0%	3	3
Terrebonne	Houma-16	Muni	39	673,311	515,600	511,596	566,836	0.4	226,734	0.1%	19	19
Lafayette Utilities System	Doc Bonin-1	Muni	45	31,932	63,539	535,893	210,388	0.4	84,155	0.0%	7	7
City of Alexandria	D G Hunter-3	Muni	47	8,591	73,939	-	27,510	0.4	11,004	0.0%	1	1
City of Alexandria	D G Hunter-4	Muni	78	3,432	148,142	-	50,525	0.4	20,210	0.0%	2	2
Lafayette Utilities System	Hargis-Hebert Electric Generating Station-U-1	Muni	48				14	0.4	345,965	0.2%	28	28
Lafayette Utilities System	Hargis-Hebert Electric Generating Station-U-2	Muni	48				14	0.4	345,965	0.2%	28	28
	Natchitoches-10	Muni	26	30	2,946	17,128	6,701	0.4	2,681	0.0%	0	
City of Ruston	Ruston-2	Muni	25	1,398	1,228	-	875	0.4	350	0.0%	0	
City of Ruston	Ruston-3	Muni	40	11,892	6,707	-	6,200	0.4	2,480	0.0%	0	
Lafayette Utilities System	T J Labbe Electric G-U-1	Muni	48				14	0.4	345,965	0.2%	28	28
Lafayette Utilities System	T J Labbe Electric G-U-2	Muni	48				14	0.4	345,965	0.2%	28	28
Note: regulated facilities allowances are based on previous heat inputs. See LAC 33:III.506.B. After 2014, 17085 in cell U6 changes to 14238										0.0%	-	
Total:									182,465,616	100.0%	14,935	14933

## Calculating Annual CAIR NO<sub>x</sub> Allowances Using the Louisiana Method

Attached is a spreadsheet with the CAIR NO<sub>x</sub> annual and ozone season allowances allocated per the method proposed by LDEQ. The method reflects the recommendations of the Louisiana Public Service Commission. The spreadsheet columns will be referred to in the explanation of the calculation method.

### ANNUAL NO<sub>x</sub> ALLOCATIONS

**Step 1: Calculate the average annual NO<sub>x</sub> emissions per CAIR unit.**

- See worksheet tab "Annual for Non-Utility Units".  
This Step applies only to electricity-generating units that have not been certified by the LPSC or approved by a municipal authority and do not have long term contracts with a public utility or municipal authority. This includes independent power producers (IPPs) and co generators.
- Initial allocation of allowances for 2009, 2010, & 2011:
  - ✓ For 2002, 2003, and 2004, data from both the department's emissions inventory and the Federal Acid Rain database were used. The Federal Acid Rain database was only used when the data was not available in the department's emission inventory.
  - ✓ For 2002, 2003, and 2004, the Federal Acid Rain database information was used for allocating ozone season NO<sub>x</sub> allocations for non-utility units.
  - ✓ The Federal Acid Rain database information is available at [http://cfpub.epa.gov/edrm/index.cfm?fuseaction=whereyoulive.state&displaymode=view&program=em&selection=none&prg\\_code=ARP&year=2003&state=LA](http://cfpub.epa.gov/edrm/index.cfm?fuseaction=whereyoulive.state&displaymode=view&program=em&selection=none&prg_code=ARP&year=2003&state=LA).
  - ✓ Example using actual NO<sub>x</sub> emissions [tons per year (tpy)]:  
$$(2002 + 2003 + 2004) / 3 = \text{average actual NO}_x \text{ emissions (tpy)}$$
  
Enter the result of the average calculation in columns H and I of the spreadsheet.
- Each control period allowance allocations beginning in 2008 will use emission data (partial and complete) from the 3 calendar years immediately preceding the year in which the control period allocations are submitted to the Administrator...
  - ✓ Examples:  
To allocate 2012 allowances in 2008 use 2005, 2006, 2007,  
To allocate 2013 allowances in 2009 use 2006, 2007, 2008,
- For units that begin operation after January 1, 2007, NO<sub>x</sub> allocations will not be made until there is a calendar year of data (partial or complete). Data from that calendar year will be used instead of an average. When there are 2 calendar years

➤ **ANNUAL NO<sub>x</sub> ALLOCATIONS (cont.)**

**Step 1: Continued**

- of data, the 2 years will be averaged. Once a unit is operating, commencing from start up, every calendar year will be considered an operating year even if the emissions are zero.

**Step 2: Calculate the average heat input (MMBtu) per CAIR unit.**

- See worksheet tab "Annual for Utility Units"
- This Step applies only to utility units which either have been certified by the LPSC or approved by a municipal authority and are operational, or are non-utility units that have an effective and active long term contract with a public utility or municipal authority.
- Initial allocation of allowances for 2009, 2010, & 2011:
  - ✓ For 2002, 2003, and 2004 data was used from the Acid Rain Program database which is available at [http://cfpub.epa.gov/gdm/index.cfm?fuseaction=whereyoulive.state&displaymode=view&programYearSelection=none&prg\\_code=AR&year=2003&state=LA](http://cfpub.epa.gov/gdm/index.cfm?fuseaction=whereyoulive.state&displaymode=view&programYearSelection=none&prg_code=AR&year=2003&state=LA)
  - ✓ Enter the heat input data (MMBtu) for the appropriate years and the Excel spreadsheet will perform the calculations.

Examples:

$$\text{Heat input 2002} + \text{heat input 2003} + \text{heat input 2004} / 3 = \text{average heat input (MMBtu)}$$

$$\text{Columns (J+I+K)} / 3 = \text{Column M}$$

- Beginning in 2008, use the heat input (MMBtu) for the most recent three (3) calendar years. The information should be available in the department's emission inventory. If the data cannot be obtained from the emission inventory, use the data in the Federal Acid Rain Program database. Use the heat input for the most recent three (3) calendar years divided by 3 (for 3 years).

✓ Example:

- To allocate 2012 allowances in 2008 use the heat input (MMBtu) from 2005, 2006, and 2007
- To allocate 2013 allowances in 2009 use the heat input (MMBtu) from 2006, 2007, and 2008

Once a unit is operating, commencing from start up, every calendar year will be considered an operating year even if the emissions are zero. If data is available for only one (1) calendar year, use the heat input for that calendar year. If data is available for only the two (2) most recent calendar years, average the data.

- **Certified units.**
  - ✓ An electricity-generating unit or contract that has been certified by the LPSC or approved by a municipal authority but is not yet in operation and must be subject to CAIR.
  - ✓ For coal-fired units that begin operation after January 1, 2007, multiply the certified gross electrical output in MW by 7,900 Btu/kWh and divide by 1,000,000 Btu/mmBtu (basis for calculation in CAIR model rule, 40

## ANNUAL NO<sub>x</sub> ALLOCATIONS

### Step 2: Continued

CFR Part 96.142). To convert from hourly to yearly multiply by 8,760 hours per year and to convert MW to kW multiply by 1,000.

Example for a coal-fired unit that begin operation after January 1, 2007, with a certified gross electrical output of 700 MW.

Calculated heat input =

$$700 \times 7,900 \times 8760 \times 1000 / 1,000,000 = 48,442,800 \text{ MMBtu.}$$

- ✓ For units that begin operation after January 1, 2007, not coal-fired, multiply the certified gross electrical output in MW by 6,675 Btu/kWh and divide by 1,000,000 Btu/mmBtu (basis for calculation in CAIR model rule, 40 CFR Part 96.142). To convert from hourly to yearly multiply by 8,760 hours per year and to convert MW to kW multiply by 1,000.

Example for a gas-fired unit that begin operation after January 1, 2007, with a certified gross electrical output of 200 MW.

Calculated heat input =

$$200 \times 6675 \times 8760 \times 1000 / 1,000,000 = 11,694,600 \text{ mmBtu.}$$

- ✓ The adjusted heat input for certified units that begin operation after January 1, 2007, will be used until there are three (3) calendar years of operating data prior to the allowance allocation year for a control period for which allowances have not been allocated. Once a unit is operating, commencing from start up, every calendar year will be considered an operating year even if the emissions are zero.

### Step 3: Calculate the adjusted heat input (MMBtu) for each Utility unit.

- See worksheet tab "Annual for Utility Units"
- This Step applies only to LPSC certified units or a municipal authority approved unit that was in operation, or a non-utility unit that has an effective and active long term contract with a public utility or municipal authority.
- Initial allocation of allowances for 2009, 2010, & 2011:
  - ✓ average heat input (MMBtu) multiplied by fuel adjustment factor (taken from the FIP) = adjusted heat input (MMBtu) for the unit
- Fuel adjustment factor (Column O) based on fuel used: coal = 1; gas = 0.4; other type fuels, consult the FIP
- ✓ Columns M X O = Column Q
- Example: Little Gypsy -Unit 1 4,993,669 MMBtu X .4 = 1,997,467 MMBtu
- Beginning in 2008 this step will be calculated in the same manner using the appropriate data.
- No fuel adjustment factor is used for certified units that begin operation after January 1, 2007, —the fuel type is accounted for in the gross electrical output calculation to obtain a converted heat input.

### Step 4: Adjust the Louisiana Budget

- Total Column I on the worksheet tab "Annual for Non-Utility Units"

## ANNUAL NO<sub>x</sub> ALLOCATIONS

### Step 4: Continued

- Subtract the total of Column I from the Louisiana NO<sub>x</sub> annual budget for the control period. Louisiana (LA) Phase 1 NO<sub>x</sub> Annual Budget 2009-2014 = 35,512 tpy; LA Phase 2 NO<sub>x</sub> Annual Budget for 2015 forward = 29,593 tpy
  - ✓ Note: The Louisiana Budget for utility units will need to be adjusted each year beginning with 2008 when the allowances for control period 2012 are allocated because non-utility units are allocated first.
- The adjusted Louisiana Budget appears on the worksheet tab "Annual for Utility Units" in Column T, Line 6.
- The calculations are performed by the Excel spreadsheet using the ratio value (column S) and the adjusted heat input (column Q). The allowances appear in column T.
- To allocate the initial allowances for 2009, 2010, and 2011
  - ✓ Use the ratio of each unit's adjusted heat input (MMBtu) (Column Q) to the total adjusted heat input (the total of Column Q). The value of this ratio (%) is in Column S. The Column S value is **multiplied** by the LA cap Phase 1 NO<sub>x</sub> Annual Budget for 2009 (Column T, Line 6). Round to nearest whole number and the allowance is located in Column T.
  - ✓ Column Q for the unit/Column Q Total = Column S (% ratio)  
Column S X 30,688 tpy = Column T (allowance)

Example: Little Gypsy-1

1,997,467 MMBtu divided by the sum of all column R values (33,831,569 MMBtu) **multiplied** by 30,688 tpy (adjusted Louisiana budget for 2009)  
= 141 tpy

- ✓ Beginning in 2008 for control period 2012, and for each control period after, this step will be calculated in the same manner using the appropriate data.

### OZONE SEASON NO<sub>x</sub> ALLOCATIONS

- Calculated in the same manner as annual NO<sub>x</sub> allowances.
- Use Steps 1-4 but modify all the emissions (NO<sub>x</sub> tpy) and heat input (MMBtu) data by using seasonal (May through September) data found in the Federal Acid Rain database at the web address listed above. If seasonal data is not available use annual data and multiply the data by 5/12.
- Louisiana (LA) Phase 1 Seasonal NO<sub>x</sub> Budget 2009-2014 = 17,085 tpy; LA Phase 2 Seasonal NO<sub>x</sub> Budget for 2015 forward = 14,238 tpy

Example:

Joe's Electrical Generating Unit emitted an average of 200 tons per year for 2009, 2010, and 2011. To calculate the average ozone season NO<sub>x</sub> emissions:

$$200 \text{ tpy} \times 5/12 = 83 \text{ tpy}$$

A LPSC regulated utility had an average adjusted heat input of 34,200,228 MMBtus. To calculate the average adjusted heat input for the ozone season:

$$34,200,228 \times 5/12 = 14,250,095$$



# KEANMILLER

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July 3, 2007

Ms. Judith A. Schuerman, Ph.D.  
Department of Environmental Quality  
Office of the Secretary  
Legal Affairs Division  
P.O. Box 4302  
Baton Rouge, Louisiana 70821-4302

**VIA E-Mail and  
Hand Delivery**

RE: Exxon Mobil Corporation  
Public Comments on LDEQ's Proposed  
CAIR NOx Trading Program, Log No. AQ285  
And SIP Revisions to Incorporate CAIR NOx Trading Program  
Log No. 0702Pot1  
Our file: 11111-528

Dear Dr. Schuerman:

Our firm represents Exxon Mobil Corporation in connection with this matter. Exxon Mobil appreciates the opportunity to comment on the proposal by the Louisiana Department of Environmental Quality ("LDEQ") for rules to implement the Clean Air Interstate Rule ("CAIR") NOx Trading Program in Louisiana. (Log No. AQ285). I am attaching Exxon Mobil's comments on the proposed rules and request that they be placed in the administrative record of this proceeding for consideration by LDEQ prior to any final rulemaking. Exxon Mobil also asks that these same comments be placed in the administrative record of LDEQ's proposed SIP revisions to incorporate the CAIR NOx Trading Program. (Log No. 0702Pot1).

Pursuant to La. R.S. 49:953(A)(2)(b), Exxon Mobil requests that LDEQ issue a concise statement of the principal reasons for and against the adoption of any modifications or changes suggested in written or oral comments made to LDEQ in connection with Log Nos. AQ285 and 0702Pot1. In addition, Exxon Mobil requests that, prior to any legislative oversight hearings, LDEQ provide Exxon Mobil with a complete draft of all proposed technical changes to LAC 33:III.506, if any technical changes are proposed.

Judith A. Schuerman, Ph.D.  
July 3, 2007  
Page 2

Again, Exxon Mobil appreciates the opportunity to comment on these proposals. Should you have any questions regarding these comments, please contact Robert E. Berg of Exxon Mobil's environmental department at [Robert.E.Berg@exxonmobil.com](mailto:Robert.E.Berg@exxonmobil.com) or contact me at 382-3412 or [Maureen.Harbourt@keanmiller.com](mailto:Maureen.Harbourt@keanmiller.com). Thank you for your assistance and attention to these comments.

Very truly yours,

A handwritten signature in black ink, appearing to read "Maureen N. Harbourt". The signature is fluid and cursive, with a long horizontal stroke at the end.

Maureen N. Harbourt

MNH/lf  
Enclosure

CC: Darlene Doshier-Collard, LDEQ  
Robert E. Berg, Exxon Mobil Corp.  
Andrew G. Fisher, Exxon Mobil Corp.

**EXXON MOBIL CORPORATION'S COMMENTS**  
**ON**  
**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**  
**PROPOSED RULE LOG NO. AQ285**  
**"CAIR NOX TRADING PROGRAM"**

**I. BACKGROUND AND STATUS OF EXXON MOBIL CORPORATION'S UNITS**

Exxon Mobil Corporation ("Exxon Mobil") appreciates the opportunity to submit comments on proposed rule Log No. AQ285, the draft Clean Air Interstate Rule ("CAIR") Nitrogen Oxides ("NOx") Trading Program that was repropoed by the Louisiana Department of Environmental Quality ("LDEQ") following LDEQ's withdrawal of the initial CAIR NOx trading program rule that was proposed under Log No. AQ261. ExxonMobil appreciates the revisions that the LDEQ made in this reproposal that addressed some of ExxonMobil's comments on Log No. AQ261.

Exxon Mobil has a legal interest in five cogeneration units at the Louisiana Station 1 Electric Generating Plant, operated by Entergy Gulf States, Inc., in East Baton Rouge Parish, Louisiana. These units are described in Table 1, below. Exxon Mobil owns Unit 5A and has a long term lease on Units 1A, 2A, 3A, and 4A. Each of these units is subject to Title V Permit No. 0840-00011-V1 and to Acid Rain Permit No. 0840-00181-IV1. Each of the five units is also subject to CAIR. However, none of the five cogeneration units at the Louisiana Station 1 are regulated by the Louisiana Public Service Commission.

**Table 1 Louisiana Station 1 Electric Generating Plant (Units 1A – 5A) (AI 1186)**

Unit No.	Annual NOx in TPY <sup>1</sup>	Ozone Season NOx in TPY <sup>2</sup>
<b>Unit 1A</b>		
2002	222.6	59.2
2003	177.0	58.4
2004	272.3	117.2
Average	224	78
<b>Unit 2A</b>		
2002	147.1	34.1
2003	147.9	42.5
2004	159.6	57.1
Average	152	45

<sup>1</sup> Data from certified reports provided to EPA under the Acid Rain Program, contained in Appendix A attached to these comments. Data also available at:  
[http://cfpub.epa.gov/gdm/index.cfm?fuseaction=whereyoulive.state&displaymode=view&programYearSelection=none&prg\\_code=ARP&Year=2003&state=LA](http://cfpub.epa.gov/gdm/index.cfm?fuseaction=whereyoulive.state&displaymode=view&programYearSelection=none&prg_code=ARP&Year=2003&state=LA)

<sup>2</sup> *Id.*

Unit No.	Annual NOx in TPY <sup>1</sup>	Ozone Season NOx in TPY <sup>2</sup>
<b>Unit 3A</b>		
2002	203.0	58.1
2003	197.8	71.4
2004	230.1	97.4
Average	210	76
<b>Unit 4A</b>		
2002	771.3	347.1
2003	973.3	380.1
2004	952.8	376.2
Average	899	368
<b>Unit 5A</b>		
2002	298.6	134.4
2003	331.6	137.6
2004	280.4	107.6
Average	304	127

ExxonMobil supports LDEQ's NOx CAIR allocation methodology. The application of the regulatory language, as proposed in AQ285, would result in allocations equal to the three year 2002-2004 average (annual and ozone season) for each of these units.

ExxonMobil also appreciates LDEQ's concurrence with its position, as stated in its comments on AQ261, that the Baton Rouge Turbine Generator (BRTG) at its Baton Rouge Chemical Plant is not subject to CAIR and should not be included in the allocation charts. Further, ExxonMobil supports that LDEQ deleted all references in the proposed allocations sent to EPA on April 27, 2007, to three units described in prior drafts of the allocations as the Exxon Mobil Baton Rouge Cogeneration units (CA1, CT1 and CT2). As noted in ExxonMobil's comments on AQ261, such units were never constructed and were never included in permits.

## II. Exxon Mobil Supports LDEQ's Proposed NOx Allocation Methodology

As noted, Exxon Mobil supports LDEQ's methodology for NOx allocations compared to the allocation methodology used by EPA in 40 C.F.R. Part 97, Subparts EE and EEEE. Under EPA's, NOx Allocation Methodology, EPA used fuel adjustment factors, the net effective of which is to penalize sources like those of Exxon Mobil which burn cleaner and more efficient gases and fuel oils to generate energy while subsidizing coal burning sources which generate more pollution and produce energy less efficiently.

Exxon Mobil's Unit 5A has NOx emissions averaging 0.04 lb/MMBtu, and the other four units average between 0.09 and 0.18 lb/MMBtu.<sup>3</sup> Four of the five units have low NOx burners and Unit 4A uses water injection to control NOx emissions. All five CAIR regulated units thus have excellent NOx emission controls. Despite the fact that gas and fuel oil burning sources are cleaner and more efficient than are coal burning sources, EPA used fuel allocation factors in its

<sup>3</sup> See Appendix A, summary of NOx emission data from EPA's Acid Rain website.

allocation methodology which provide a 100% factor for coal burning sources whereas fuel oil burning sources had their allowances reduced by 40% [application of a fuel factor of 0.60] and gas burning sources by 60% [application of a fuel factor of 0.40].

The difference between the allocations provided to the Louisiana Station 1 sources under EPA's and LDEQ's methodologies is a 630 TPY shortfall of needed annual allocations and a 200 TPY shortfall in ozone season allocations under the EPA methodology. Exxon Mobil has estimated that the implementation of the Federal Rule would cost the Louisiana Station 1 between \$945,000.00 and \$2,200,000.00 per year for annual NOx allowances and between \$ 60,000 and \$220,000 per year for seasonal NOx allowances during the 2009-2014 Phase I period.<sup>4</sup>

Exxon Mobil believes that such a result would be tantamount to an illegal tax on Exxon Mobil. As noted herein, Exxon Mobil's NOx emissions are already well controlled and as a whole, the average emissions of the five units at the Louisiana Station 1 are below the 0.15 lb/MMBtu value EPA was targeting in Phase I. Thus, they are already controlled to levels well below that which EPA is trying to achieve. By including Exxon Mobil's Louisiana Station 1 units in CAIR, EPA is in fact simply requiring Exxon Mobil to pay to subsidize other facilities required NOx reductions.

In effect, by not providing sufficient allowances, Exxon Mobil would be forced to pay for allowances even though its emissions are already very low. Exxon Mobil would in effect be forced to pay for NOx reductions at the older, more polluting, less efficient units. This is clearly a tax. The Louisiana Constitution prohibits the imposition of a tax without appropriate legislative action.<sup>5</sup> Further, the Louisiana Constitution prohibits the taking of private property without due process of law and/or in violation of the right of equal protection under the laws.<sup>6</sup> There has been no legislative authorization of this type of tax on Exxon Mobil. Such a system as envisioned by the EPA 40 C.F.R. Part 97 rules cannot be legally imposed in Louisiana by LDEQ as these would take away Exxon Mobil's property for the benefit of others without due process of law and in violation of equal protection of the laws. LDEQ's proposed rule avoids this issue by providing Non-LPSC Regulated entities, such as Exxon Mobil, with their full allocation based on actual emissions. For this reason, Exxon Mobil supports LDEQ's methodology (with the revisions noted below).

Exxon Mobil believes that using fuel adjustment factors for Non-LPSC regulated entities would also constitute an illegal tax. Use of fuel adjustment factors essentially requires lower-emitting gas-fired facilities to subsidize emission reductions from higher emitting coal fired facilities. Again, LDEQ avoids this problem through its proposed rule AQ285 by not using fuel adjustment factors for Non-LPSC Regulated Facilities. Because the LPSC has jurisdiction to set rates for LPSC Regulated entities to allow their cost-recovery, this is not an issue for LPSC

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<sup>4</sup> Exxon Mobil's estimates are based on a projected \$1500 to \$3500 cost per ton for annual NOx allowances and \$300 - \$1100 per ton for ozone season allowances.

<sup>5</sup> La. Const. of 1974, Art. III, Sec. 2 and Sec. 16.

<sup>6</sup> La. Const. of 1974, Art. I, Sec. 2 and Sec. 3.

Regulated Facilities. Again, ExxonMobil appreciates LDEQ's approach to the allocations as LDEQ's approach, unlike EPA's, does not penalize newer, lower emitting power generation facilities.

### III. LDEQ Should Clarify the Definition of Utility Unit

LDEQ provided EPA proposed NOx Allocations on April 27, 2007, attached as Exhibit 1. The same allocations were posted on LDEQ's website, although the allocations posted on the website, attached as Exhibit 2, also indicate the classification of units as utility or non-utility. Under the proposed allocations, the five ExxonMobil Louisiana Station 1 units were classified as Non-Utility Units and were also classified as "cogeneration" units. Exxon Mobil agrees with these classifications. However, the definitions of Non-utility Unit and Utility Unit in the proposed rule AQ285 give rise to some ambiguity. Exxon Mobil wants to ensure that LDEQ intends to classify the five Louisiana Station 1 units as "Non-utility units" as reflected in the allocations.

LDEQ's proposed definition of "Non-utility unit" in AQ285 indicates that any electric generating unit that is not certified by the LPSC or an approved municipality is a "Non-Utility Unit" and that such definition is not limited solely to IPPs and cogeneration units. This initially appears to be straightforward and would result in ExxonMobil's units all being classified as non-utilities, as is appropriate. However, because LDEQ then proposes to include some non-utility units within the definition of utility unit, confusion results. LDEQ's proposed definition of "utility unit" states as follows:

*Utility Unit*-a certified unit that is in operation, a previously-operational certified unit, ***or a non-utility unit that has an effective and active long-term service contract with a utility unit.*** Long-term contracts are those contracts of at least one year in duration, provided that the municipality or utility unit expects to receive power under the contract within one year of the contract execution.

ExxonMobil is uncertain as to what is meant by the phrase "a non-utility unit that has an effective and active long-term service contract with a utility unit." ExxonMobil does not believe that this language applies to its facility, but wants to ensure that it does not. The Louisiana Station 1 units sell some of their power on the grid, although not through any entity regulated by the LPSC. However, Exxon Mobil wants to ensure that its units are not considered to be utility units due to these sales. That does not appear to be LDEQ's intent given the actual allocations, but the ambiguity of the regulatory language should be addressed to ensure this is not the case. ExxonMobil requests that LDEQ revise the definition of "Utility Unit" to mean "an electrical generating unit regulated by the LPSC, or an electrical-generating unit owned and operated by a municipal authority, or an electrical-generating unit with a long-term contract to provide electricity to an LPSC regulated entity or to a municipal authority. Long term contracts are those contracts of at least one year in duration, provided that the municipality or LPSC regulated public utility expects to receive power under the contract within one year of the contract execution."

#### **IV. LDEQ Should Consider a Reopener Clause or Sunset Clause in the Event that Portions of CAIR Are No Longer Required**

Louisiana electric generating units are subject to CAIR's requirements for SO<sub>2</sub> and for annual NO<sub>x</sub> reductions solely due to the fact that Louisiana's emissions of SO<sub>2</sub> and NO<sub>x</sub> were projected to make a "significant contribution"<sup>7</sup> to PM<sub>2.5</sub> nonattainment in Jefferson County, AL (Birmingham Area).<sup>8</sup> At the time of this modeling, which was based on 1999-2002 data, the PM 2.5 design value in the Birmingham Area was 21.53 ug/m<sup>3</sup>, more than 6 ug/m<sup>3</sup> over the NAAQS, which is 15.05 ug/m<sup>3</sup>. However, since that time, the Birmingham area has made significant progress towards PM 2.5 attainment. The EPA Green Book, December 2006, indicates that the design value for Jefferson Co., AL had dropped to 17.3 ug/m<sup>3</sup> for the 2001-2003 period.<sup>9</sup> More current data from the Alabama Department of Environmental Management ("ADEM") web site indicates further that four of the six PM 2.5 monitors in the area have a design value of less than 15.0 ug/m<sup>3</sup> and that the only design value is currently 17.4 ug/m<sup>3</sup>.<sup>10</sup> Thus, Birmingham has reduced PM 2.5 by more than 4 ug/m<sup>3</sup> and could achieve attainment of the PM 2.5 NAAQS prior to 2009 when the Phase I NO<sub>x</sub> allocations/reductions are required.<sup>11</sup>

In an analogous situation, EPA recently suspended the requirements of the NO<sub>x</sub> SIP Call for the State of Georgia. See 70 Fed. Reg. 51591, August 31, 2005. The NO<sub>x</sub> SIP call requirements for Georgia were premised on modeling that showed Georgia NO<sub>x</sub> emissions were make a significant contribution to ozone nonattainment in Memphis and Birmingham. Subsequently, before the substantive requirements of the NO<sub>x</sub> SIP call became effective, both the Memphis and Birmingham ozone nonattainment areas were deemed to be in attainment with the ozone standard. For this reason, Georgia regulated entities petitioned, and were granted, a stay of the NO<sub>x</sub> SIP requirements.

If the Birmingham area achieves attainment with the PM 2.5 standard prior to the effective date of CAIR-required annual NO<sub>x</sub> season reductions in Louisiana, the CAIR requirements should be suspended and ultimately revoked. For this reason, Exxon Mobil requests that LDEQ included either in this rulemaking, or a subsequent rulemaking, a provision that will stay the requirements of the CAIR SIP should the Birmingham area achieve attainment.

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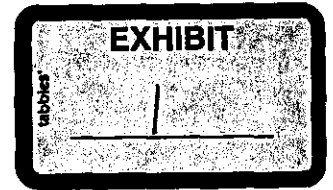
<sup>7</sup> Modeling determined that Louisiana emissions would cause a 0.25 ug/m<sup>3</sup> contribution to PM 2.5 in Jefferson Co., AL. This was deemed to be a significant enough contribution to require CAIR applicability in Louisiana for SO<sub>2</sub> reductions and for annual NO<sub>x</sub> reductions. Ozone season NO<sub>x</sub> reductions in Louisiana were based on a projected significant contribution of Louisiana NO<sub>x</sub> emissions to ozone nonattainment in several Texas counties. <http://www.epa.gov/CAIR/pdfs/tsd0162.pdf> (particularly at page 40)

<sup>8</sup> <http://www.epa.gov/CAIR/pdfs/tsd0162.pdf> (particularly at page 40).

<sup>9</sup> <http://www.epa.gov/oar/oaqps/greenbk/qntc.html>.

<sup>10</sup> [http://www.adem.state.al.us/AirDivision/AirRegUpdate2006\\_files/frame.htm](http://www.adem.state.al.us/AirDivision/AirRegUpdate2006_files/frame.htm).

<sup>11</sup> *Id.* ADEM has enacted some control measures ahead of its SIP deadline (2008) and expects some reductions due to the 2007 phase in of the EPA's diesel fuel standards. (Birmingham's attainment deadline is in April 2010.)



**From:** "James Orgeron" <James.Orgeron@LA.GOV>  
**To:** <Wiley.Adina@epamail.epa.gov>  
**Date:** 4/27/2007 2:20:43 PM  
**Subject:** Louisiana's NOx Allocations for 2009, 2010, and 2011 Under CAIR

Attached are Louisiana's NOx allocations for 2009, 2010, and 2011. Please respond that you have received them. We are also faxing a letter from Mr. Roberie to Mr. Robinson discussing how we handled NISCO's allocations. Hard copy of the letter will follow. The fax and the allocations should complete the package. There are two worksheets in the attached spreadsheet. Let me know if you need anything else relating to CAIR NOx allocations.

<<initial allocations format.xls>>

Jim Orgeron  
Air Quality Assessment Division  
(225) 219-3578

**CC:** <Robinson.Jeffrey@epamail.epa.gov>, "Darlene Doshier-Collard" <Darlene.Doshier-Collard@LA.GOV>, "Chris Roberie" <Chris.Roberie@LA.GOV>, "Teri Lanoue" <Teri.Lanoue@LA.GOV>



Account Number	Account Description	Year	Account Name
LA0000000100	006190FACLT	2009	331 Rodemacher Unit 1
LA0000000100	006190FACLT	2009	2664 Rodemacher Unit 2
LA0000000100	006190FACLT	2009	3558 Rodemacher Unit 3
LA0000000100	001393FACLT	2009	169 RS Nelson Unit 3
LA0000000100	001393FACLT	2009	431 RS Nelson Unit 4
LA0000000100	001393FACLT	2009	3043 RS Nelson Unit 6
LA0000000100	006055FACLT	2009	3786 Big Cajun 2 Unit 1
LA0000000100	006055FACLT	2009	3528 Big Cajun 2 Unit 2
LA0000000100	006055FACLT	2009	3398 Big Cajun 2 Unit 3
LA0000000100	006055FACLT	2009	0 Big Cajun 2 Unit 4
LA0000000100	000051FACLT	2009	3931 Dolet Hills
LA0000000100	001402FACLT	2009	156 Entergy Little Gypsy 1
LA0000000100	001402FACLT	2009	193 Entergy Little Gypsy 2
LA0000000100	001402FACLT	2009	289 Entergy Little Gypsy 3
LA0000000100	001448FACLT	2009	0 Monroe - 11
LA0000000100	001448FACLT	2009	0 Monroe - 12
LA0000000100	001403FACLT	2009	62 Entergy Ninemile Point -1
LA0000000100	001403FACLT	2009	100 Entergy Ninemile Point -2
LA0000000100	001403FACLT	2009	68 Entergy Ninemile Point -3
LA0000000100	001403FACLT	2009	771 Entergy Ninemile Point -4
LA0000000100	001403FACLT	2009	808 Entergy Ninemile Point -5
LA0000000100	055620FACLT	2009	120 Perryville Power Station CT1
LA0000000100	055620FACLT	2009	137 Perryville Power Station CT2
LA0000000100	055620FACLT	2009	2 Perryville Power Station 2CT
LA0000000100	001404FACLT	2009	15 Sterlington - 7AB
LA0000000100	001404FACLT	2009	18 Sterlington - 7C
LA0000000100	001404FACLT	2009	158 Sterlington - 10
LA0000000100	008056FACLT	2009	424 Entergy Waterford 1 & 2 - 1
LA0000000100	008056FACLT	2009	351 Entergy Waterford 1 & 2 - 2
LA0000000100	001407FACLT	2009	8 Entergy A B Paterson - 3
LA0000000100	001407FACLT	2009	6 Entergy A B Paterson - 4
LA0000000100	001409FACLT	2009	43 Entergy Michoud - 1
LA0000000100	001409FACLT	2009	215 Entergy Michoud - 2
LA0000000100	001409FACLT	2009	554 Entergy Michoud - 3
LA0000000100	001392FACLT	2009	0 Entergy Louisiana 2 - 10
LA0000000100	001392FACLT	2009	0 Entergy Louisiana 2 - 11
LA0000000100	001392FACLT	2009	0 Entergy Louisiana 2 - 12
LA0000000100	001394FACLT	2009	62 Entergy Willow Glen - 1
LA0000000100	001394FACLT	2009	102 Entergy Willow Glen - 2
LA0000000100	001394FACLT	2009	113 Entergy Willow Glen - 3
LA0000000100	001394FACLT	2009	72 Entergy Willow Glen - 4
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LA0000000100	001400FACLT	2009	10 Teche Power Station - 2
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LA0000000100	001416FACLT	2009	45 Arsenal Hill Power Plant
LA0000000100	001417FACLT	2009	13 Lieberman Power Plant - 3
LA0000000100	001417FACLT	2009	16 Lieberman Power Plant - 4
LA0000000100	001443FACLT	2009	8 Doc Bonin - 1
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LA0000000100	001443FACLT	2009	103 Doc Bonin - 3
LA0000000100	001449FACLT	2009	28 Morgan City Electrical Gen Facility
LA0000000100	001439FACLT	2009	7 Houma - 15
LA0000000100	001439FACLT	2009	32 Houma - 16
LA0000000100	006558FACLT	2009	1 D G Hunter - 3
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LA0000000100	00FACLT	2009	65 Hargis-Hebert Electric Generating Station - U-1
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LA0000000100	001458FACLT	2009	0 Ruston - 2
LA0000000100	001458FACLT	2009	1 Ruston - 3

LA0000000100	00FACLT	2009	65 T J Labbe Electric G - U -1
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LA0000000100	055433FACLT	2009	1 Bayou Cove Peaking Power Plant - CTG1
LA0000000100	055433FACLT	2009	1 Bayou Cove Peaking Power Plant - CTG2
LA0000000100	055433FACLT	2009	1 Bayou Cove Peaking Power Plant - CTG3
LA0000000100	055433FACLT	2009	1 Bayou Cove Peaking Power Plant - CTG4
LA0000000100	001464FACLT	2009	34 Big Cajun 1 - CTG1
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LA0000000100	055165FACLT	2009	16 Calcasieu Power, LLC -GTG1
LA0000000100	055165FACLT	2009	20 Calcasieu Power, LLC -GTG2
LA0000000100	055404FACLT	2009	81 Carville Energy Center - COG 1
LA0000000100	055404FACLT	2009	48 Carville Energy Center - COG 2
LA0000000100	001396FACLT	2009	92 Evangeline Power Station (Coughlin) - 7-2
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LA0000000100	001396FACLT	2009	94 Evangeline Power Station (Coughlin) - 7-1
LA0000000100	001391FACLT	2009	224 Exxon Mobil Louisiana 1 - 1A
LA0000000100	001391FACLT	2009	152 Exxon Mobil Louisiana 1 - 2A
LA0000000100	001391FACLT	2009	210 Exxon Mobil Louisiana 1 - 3A
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LA0000000100	00FACLT	2009	641 NISCO Unit - 1A
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LA0000000100	000051FACLT	2010	3931 Dolet Hills
LA0000000100	001402FACLT	2010	156 Entergy Little Gypsy 1
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LA0000000100	001448FACLT	2010	0 Monroe - 11
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LA0000000100	001403FACLT	2010	100 Entergy Ninemile Point -2
LA0000000100	001403FACLT	2010	68 Entergy Ninemile Point -3
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LA0000000100	001404FACLT	2010	18 Sterlington - 7C
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LA0000000100	008056FACLT	2010	351 Entergy Waterford 1 & 2 - 2
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LA0000000100	001402FACLT	2011	193 Entergy Little Gypsy 2
LA0000000100	001402FACLT	2011	289 Entergy Little Gypsy 3
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LA0000000100	001404FACLT	2011	158 Sterlington - 10
LA0000000100	008056FACLT	2011	424 Entergy Waterford 1 & 2 - 1
LA0000000100	008056FACLT	2011	351 Entergy Waterford 1 & 2 - 2
LA0000000100	001407FACLT	2011	8 Entergy A B Paterson - 3
LA0000000100	001407FACLT	2011	6 Entergy A B Paterson - 4
LA0000000100	001409FACLT	2011	43 Entergy Michoud - 1
LA0000000100	001409FACLT	2011	215 Entergy Michoud - 2
LA0000000100	001409FACLT	2011	554 Entergy Michoud - 3
LA0000000100	001392FACLT	2011	0 Entergy Louisiana 2 - 10
LA0000000100	001392FACLT	2011	0 Entergy Louisiana 2 - 11
LA0000000100	001392FACLT	2011	0 Entergy Louisiana 2 - 12
LA0000000100	001394FACLT	2011	62 Entergy Willow Glen - 1
LA0000000100	001394FACLT	2011	102 Entergy Willow Glen - 2
LA0000000100	001394FACLT	2011	113 Entergy Willow Glen - 3
LA0000000100	001394FACLT	2011	72 Entergy Willow Glen - 4
LA0000000100	001394FACLT	2011	197 Entergy Willow Glen - 5
LA0000000100	001400FACLT	2011	10 Teche Power Station - 2
LA0000000100	001400FACLT	2011	297 Teche Power Station - 3
LA0000000100	001416FACLT	2011	45 Arsenal Hill Power Plant
LA0000000100	001417FACLT	2011	13 Lieberman Power Plant - 3

LA0000000100	001417FACLT	2011	16 Lieberman Power Plant - 4
LA0000000100	001443FACLT	2011	8 Doc Bonin - 1
LA0000000100	001443FACLT	2011	33 Doc Bonin - 2
LA0000000100	001443FACLT	2011	103 Doc Bonin - 3
LA0000000100	001449FACLT	2011	28 Morgan City Electrical Gen Facility
LA0000000100	001439FACLT	2011	7 Houma - 15
LA0000000100	001439FACLT	2011	32 Houma - 16
LA0000000100	006558FACLT	2011	1 D G Hunter - 3
LA0000000100	006558FACLT	2011	2 D G Hunter - 4
LA0000000100	00FACLT	2011	65 Hargis-Hebert Electric Generating Station - U-1
LA0000000100	00FACLT	2011	65 Hargis-Hebert Electric Generating Station - U-2
LA0000000100	001450FACLT	2011	0 Natchitoches - 10
LA0000000100	001458FACLT	2011	0 Ruston - 2
LA0000000100	001458FACLT	2011	1 Ruston - 3
LA0000000100	00FACLT	2011	65 T J Labbe Electric G - U -1
LA0000000100	00FACLT	2011	65 T J Labbe Electric G - U -2
LA0000000100	055173FACLT	2011	24 Acadia Power Station - CT1
LA0000000100	055173FACLT	2011	20 Acadia Power Station - CT2
LA0000000100	055173FACLT	2011	26 Acadia Power Station - CT3
LA0000000100	055173FACLT	2011	23 Acadia Power Station - CT4
LA0000000100	055433FACLT	2011	1 Bayou Cove Peaking Power Plant - CTG1
LA0000000100	055433FACLT	2011	1 Bayou Cove Peaking Power Plant - CTG2
LA0000000100	055433FACLT	2011	1 Bayou Cove Peaking Power Plant - CTG3
LA0000000100	055433FACLT	2011	1 Bayou Cove Peaking Power Plant - CTG4
LA0000000100	001464FACLT	2011	34 Big Cajun 1 - CTG1
LA0000000100	001464FACLT	2011	22 Big Cajun 1 - CTG2
LA0000000100	001464FACLT	2011	0 Big Cajun 1 - 2B1
LA0000000100	001464FACLT	2011	0 Big Cajun 1 - 2B2
LA0000000100	055165FACLT	2011	16 Calcasieu Power, LLC -GTG1
LA0000000100	055165FACLT	2011	20 Calcasieu Power, LLC -GTG2
LA0000000100	055404FACLT	2011	81 Carville Energy Center - COG 1
LA0000000100	055404FACLT	2011	48 Carville Energy Center - COG 2
LA0000000100	001396FACLT	2011	92 Evangeline Power Station (Coughlin) - 7-2
LA0000000100	001396FACLT	2011	160 Evangeline Power Station (Coughlin) - 6-1
LA0000000100	001396FACLT	2011	94 Evangeline Power Station (Coughlin) - 7-1
LA0000000100	001391FACLT	2011	224 Exxon Mobil Louisiana 1 - 1A
LA0000000100	001391FACLT	2011	152 Exxon Mobil Louisiana 1 - 2A
LA0000000100	001391FACLT	2011	210 Exxon Mobil Louisiana 1 - 3A
LA0000000100	001391FACLT	2011	899 Exxon Mobil Louisiana 1 - 4A
LA0000000100	001391FACLT	2011	304 Exxon Mobil Louisiana 1 - 5A
LA0000000100	055419FACLT	2011	32 Plaquemine Cogen Facility - 500
LA0000000100	055419FACLT	2011	23 Plaquemine Cogen Facility - 600
LA0000000100	055419FACLT	2011	25 Plaquemine Cogen Facility - 700
LA0000000100	055419FACLT	2011	25 Plaquemine Cogen Facility - 800
LA0000000100	055467FACLT	2011	37 Quachita Power, LLC -CTGEN1
LA0000000100	055467FACLT	2011	36 Quachita Power, LLC -CTGEN2
LA0000000100	055467FACLT	2011	32 Quachita Power, LLC -CTGEN3
LA0000000100	055117FACLT	2011	0 R S Cogen - RS-4
LA0000000100	055117FACLT	2011	265 R S Cogen - RS-5
LA0000000100	055117FACLT	2011	268 R S Cogen - RS-6
LA0000000100	055089FACLT	2011	140 Taft Cogeneration Facility - CT1
LA0000000100	055089FACLT	2011	146 Taft Cogeneration Facility - CT2
LA0000000100	055089FACLT	2011	142 Taft Cogeneration Facility - CT3
LA0000000100	00FACLT	2011	641 NISCO Unit - 1A
LA0000000100	00FACLT	2011	508 NISCO Unit - 2A

## Ozone Season Issue Serialized Allw

Facility Name	Facility ID	Year	Facility Name
LA0000000100	006190FACLT	2009	166 Rodemacher Unit 1

LA0000000100	006190FACLT	2009	166 Rodemacher Unit 1
LA0000000100	006190FACLT	2009	1317 Rodemacher Unit 2
LA0000000100	006190FACLT	2009	1558 Rodemacher Unit 3
LA0000000100	001393FACLT	2009	79 RS Nelson Unit 3
LA0000000100	001393FACLT	2009	219 RS Nelson Unit 4
LA0000000100	001393FACLT	2009	1497 RS Nelson Unit 6
LA0000000100	006055FACLT	2009	1708 Big Cajun 2 Unit 1
LA0000000100	006055FACLT	2009	1670 Big Cajun 2 Unit 2
LA0000000100	006055FACLT	2009	1536 Big Cajun 2 Unit 3
LA0000000100	006055FACLT	2009	0 Big Cajun 2 Unit 4
LA0000000100	000051FACLT	2009	1894 Dolet Hills
LA0000000100	001402FACLT	2009	92 Entergy Little Gypsy 1
LA0000000100	001402FACLT	2009	108 Entergy Little Gypsy 2
LA0000000100	001402FACLT	2009	176 Entergy Little Gypsy 3
LA0000000100	001448FACLT	2009	0 Monroe - 11
LA0000000100	001448FACLT	2009	0 Monroe - 12
LA0000000100	001403FACLT	2009	32 Entergy Ninemile Point -1
LA0000000100	001403FACLT	2009	51 Entergy Ninemile Point -2
LA0000000100	001403FACLT	2009	47 Entergy Ninemile Point -3
LA0000000100	001403FACLT	2009	386 Entergy Ninemile Point -4
LA0000000100	001403FACLT	2009	430 Entergy Ninemile Point -5
LA0000000100	055620FACLT	2009	77 Perryville Power Station CT1
LA0000000100	055620FACLT	2009	92 Perryville Power Station CT2
LA0000000100	055620FACLT	2009	2 Perryville Power Station 2CT
LA0000000100	001404FACLT	2009	8 Sterlington - 7AB
LA0000000100	001404FACLT	2009	9 Sterlington - 7C
LA0000000100	001404FACLT	2009	86 Sterlington - 10
LA0000000100	008056FACLT	2009	243 Entergy Waterford 1 & 2 - 1
LA0000000100	008056FACLT	2009	195 Entergy Waterford 1 & 2 - 2
LA0000000100	001407FACLT	2009	7 Entergy A B Paterson - 3
LA0000000100	001407FACLT	2009	6 Entergy A B Paterson - 4
LA0000000100	001409FACLT	2009	28 Entergy Michoud - 1
LA0000000100	001409FACLT	2009	105 Entergy Michoud - 2
LA0000000100	001409FACLT	2009	305 Entergy Michoud - 3
LA0000000100	001392FACLT	2009	0 Entergy Louisiana 2 - 10
LA0000000100	001392FACLT	2009	0 Entergy Louisiana 2 - 11
LA0000000100	001392FACLT	2009	0 Entergy Louisiana 2 - 12
LA0000000100	001394FACLT	2009	27 Entergy Willow Glen - 1
LA0000000100	001394FACLT	2009	58 Entergy Willow Glen - 2
LA0000000100	001394FACLT	2009	76 Entergy Willow Glen - 3
LA0000000100	001394FACLT	2009	59 Entergy Willow Glen - 4
LA0000000100	001394FACLT	2009	97 Entergy Willow Glen - 5
LA0000000100	001400FACLT	2009	7 Teche Power Station - 2
LA0000000100	001400FACLT	2009	173 Teche Power Station - 3
LA0000000100	001416FACLT	2009	32 Arsenal Hill Power Plant
LA0000000100	001417FACLT	2009	11 Lieberman Power Plant - 3
LA0000000100	001417FACLT	2009	14 Lieberman Power Plant - 4
LA0000000100	001443FACLT	2009	7 Doc Bonin - 1
LA0000000100	001443FACLT	2009	17 Doc Bonin - 2
LA0000000100	001443FACLT	2009	72 Doc Bonin - 3
LA0000000100	001449FACLT	2009	17 Morgan City Electrical Gen Facility
LA0000000100	001439FACLT	2009	3 Houma - 15
LA0000000100	001439FACLT	2009	19 Houma - 16
LA0000000100	006558FACLT	2009	1 D G Hunter - 3
LA0000000100	006558FACLT	2009	2 D G Hunter - 4
LA0000000100	00FACLT	2009	28 Hargis-Hebert Electric Generating Station - U-1
LA0000000100	00FACLT	2009	28 Hargis-Hebert Electric Generating Station - U-2
LA0000000100	001450FACLT	2009	0 Natchitoches - 10
LA0000000100	001458FACLT	2009	0 Ruston - 2
LA0000000100	001458FACLT	2009	0 Ruston - 3
LA0000000100	00FACLT	2009	28 T J Labbe Electric G - U -1
LA0000000100	00FACLT	2009	28 T J Labbe Electric G - U -2
LA0000000100	055173FACLT	2009	20 Acadia Power Station - CT1
LA0000000100	055173FACLT	2009	15 Acadia Power Station - CT2
LA0000000100	055173FACLT	2009	5 Acadia Power Station - CT3
LA0000000100	055173FACLT	2009	11 Acadia Power Station - CT4
LA0000000100	055433FACLT	2009	0 Bayou Cove Peaking Power Plant - CTG1
LA0000000100	055433FACLT	2009	0 Bayou Cove Peaking Power Plant - CTG2

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LA0000000100	055433FACLT	2009	0 Bayou Cove Peaking Power Plant - CTG3
LA0000000100	055433FACLT	2009	0 Bayou Cove Peaking Power Plant - CTG4
LA0000000100	001464FACLT	2009	5 Big Cajun 1 - CTG1
LA0000000100	001464FACLT	2009	5 Big Cajun 1 - CTG2
LA0000000100	001464FACLT	2009	22 Big Cajun 1 - 2B1
LA0000000100	001464FACLT	2009	35 Big Cajun 1 - 2B2
LA0000000100	055165FACLT	2009	10 Calcasieu Power, LLC -GTG1
LA0000000100	055165FACLT	2009	8 Calcasieu Power, LLC -GTG2
LA0000000100	055404FACLT	2009	55 Carville Energy Center - COG 1
LA0000000100	055404FACLT	2009	35 Carville Energy Center - COG 2
LA0000000100	001396FACLT	2009	76 Evangeline Power Station (Coughlin) - 7-2
LA0000000100	001396FACLT	2009	51 Evangeline Power Station (Coughlin) - 6-1
LA0000000100	001396FACLT	2009	45 Evangeline Power Station (Coughlin) - 7-1
LA0000000100	001391FACLT	2009	78 Exxon Mobil Louisiana 1 - 1A
LA0000000100	001391FACLT	2009	45 Exxon Mobil Louisiana 1 - 2A
LA0000000100	001391FACLT	2009	76 Exxon Mobil Louisiana 1 - 3A
LA0000000100	001391FACLT	2009	368 Exxon Mobil Louisiana 1 - 4A
LA0000000100	001391FACLT	2009	127 Exxon Mobil Louisiana 1 - 5A
LA0000000100	055419FACLT	2009	34 Plaquemine Cogen Facility - 500
LA0000000100	055419FACLT	2009	22 Plaquemine Cogen Facility - 600
LA0000000100	055419FACLT	2009	29 Plaquemine Cogen Facility - 700
LA0000000100	055419FACLT	2009	38 Plaquemine Cogen Facility - 800
LA0000000100	055467FACLT	2009	13 Quachita Power, LLC -CTGEN1
LA0000000100	055467FACLT	2009	13 Quachita Power, LLC -CTGEN2
LA0000000100	055467FACLT	2009	13 Quachita Power, LLC -CTGEN3
LA0000000100	055117FACLT	2009	0 R S Cogen - RS-4
LA0000000100	055117FACLT	2009	111 R S Cogen - RS-5
LA0000000100	055117FACLT	2009	109 R S Cogen - RS-6
LA0000000100	055089FACLT	2009	77 Taft Cogeneration Facility - CT1
LA0000000100	055089FACLT	2009	67 Taft Cogeneration Facility - CT2
LA0000000100	055089FACLT	2009	76 Taft Cogeneration Facility - CT3
LA0000000100	00FACLT	2009	251 NISCO Unit - 1A
LA0000000100	00FACLT	2009	207 NISCO Unit - 2A
LA0000000100	006190FACLT	2010	17085
LA0000000100	006190FACLT	2010	166 Rodemacher Unit 1
LA0000000100	006190FACLT	2010	1317 Rodemacher Unit 2
LA0000000100	001393FACLT	2010	1558 Rodemacher Unit 3
LA0000000100	001393FACLT	2010	79 RS Nelson Unit 3
LA0000000100	001393FACLT	2010	219 RS Nelson Unit 4
LA0000000100	001393FACLT	2010	1497 RS Nelson Unit 6
LA0000000100	006055FACLT	2010	1708 Big Cajun 2 Unit 1
LA0000000100	006055FACLT	2010	1670 Big Cajun 2 Unit 2
LA0000000100	006055FACLT	2010	1536 Big Cajun 2 Unit 3
LA0000000100	006055FACLT	2010	0 Big Cajun 2 Unit 4
LA0000000100	000051FACLT	2010	1894 Dolet Hills
LA0000000100	001402FACLT	2010	92 Entergy Little Gypsy 1
LA0000000100	001402FACLT	2010	108 Entergy Little Gypsy 2
LA0000000100	001402FACLT	2010	176 Entergy Little Gypsy 3
LA0000000100	001448FACLT	2010	0 Monroe - 11
LA0000000100	001448FACLT	2010	0 Monroe - 12
LA0000000100	001403FACLT	2010	32 Entergy Ninemile Point -1
LA0000000100	001403FACLT	2010	51 Entergy Ninemile Point -2
LA0000000100	001403FACLT	2010	47 Entergy Ninemile Point -3
LA0000000100	001403FACLT	2010	386 Entergy Ninemile Point -4
LA0000000100	001403FACLT	2010	430 Entergy Ninemile Point -5
LA0000000100	055620FACLT	2010	77 Perryville Power Station CT1
LA0000000100	055620FACLT	2010	92 Perryville Power Station CT2
LA0000000100	055620FACLT	2010	2 Perryville Power Station 2CT
LA0000000100	001404FACLT	2010	8 Sterlington - 7AB
LA0000000100	001404FACLT	2010	9 Sterlington - 7C
LA0000000100	001404FACLT	2010	86 Sterlington - 10
LA0000000100	008056FACLT	2010	243 Entergy Waterford 1 & 2 - 1
LA0000000100	008056FACLT	2010	195 Entergy Waterford 1 & 2 - 2
LA0000000100	001407FACLT	2010	7 Entergy A B Paterson - 3
LA0000000100	001407FACLT	2010	6 Entergy A B Paterson - 4
LA0000000100	001409FACLT	2010	28 Entergy Michoud - 1
LA0000000100	001409FACLT	2010	105 Entergy Michoud - 2
LA0000000100	001409FACLT	2010	305 Entergy Michoud - 3
LA0000000100	001392FACLT	2010	0 Entergy Louisiana 2 - 10
LA0000000100	001392FACLT	2010	0 Entergy Louisiana 2 - 11
LA0000000100	001392FACLT	2010	0 Entergy Louisiana 2 - 12
LA0000000100	001394FACLT	2010	27 Entergy Willow Glen - 1

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LA0000000100	001394FACLT	2010	58 Entergy Willow Glen - 2
LA0000000100	001394FACLT	2010	76 Entergy Willow Glen - 3
LA0000000100	001394FACLT	2010	59 Entergy Willow Glen - 4
LA0000000100	001394FACLT	2010	97 Entergy Willow Glen - 5
LA0000000100	001400FACLT	2010	7 Teche Power Station - 2
LA0000000100	001400FACLT	2010	173 Teche Power Station - 3
LA0000000100	001416FACLT	2010	32 Arsenal Hill Power Plant
LA0000000100	001417FACLT	2010	11 Lieberman Power Plant - 3
LA0000000100	001417FACLT	2010	14 Lieberman Power Plant - 4
LA0000000100	001443FACLT	2010	7 Doc Bonin - 1
LA0000000100	001443FACLT	2010	17 Doc Bonin - 2
LA0000000100	001443FACLT	2010	72 Doc Bonin - 3
LA0000000100	001449FACLT	2010	17 Morgan City Electrical Gen Facility
LA0000000100	001439FACLT	2010	3 Houma - 15
LA0000000100	001439FACLT	2010	19 Houma - 16
LA0000000100	006558FACLT	2010	1 D G Hunter - 3
LA0000000100	006558FACLT	2010	2 D G Hunter - 4
LA0000000100	00FACLT	2010	28 Hargis-Hebert Electric Generating Station - U-1
LA0000000100	00FACLT	2010	28 Hargis-Hebert Electric Generating Station - U-2
LA0000000100	001450FACLT	2010	0 Natchitoches - 10
LA0000000100	001458FACLT	2010	0 Ruston - 2
LA0000000100	001458FACLT	2010	0 Ruston - 3
LA0000000100	00FACLT	2010	28 T J Labbe Electric G - U -1
LA0000000100	00FACLT	2010	28 T J Labbe Electric G - U -2
LA0000000100	055173FACLT	2010	20 Acadia Power Station - CT1
LA0000000100	055173FACLT	2010	15 Acadia Power Station - CT2
LA0000000100	055173FACLT	2010	5 Acadia Power Station - CT3
LA0000000100	055173FACLT	2010	11 Acadia Power Station - CT4
LA0000000100	055433FACLT	2010	0 Bayou Cove Peaking Power Plant - CTG1
LA0000000100	055433FACLT	2010	0 Bayou Cove Peaking Power Plant - CTG2
LA0000000100	055433FACLT	2010	0 Bayou Cove Peaking Power Plant - CTG3
LA0000000100	055433FACLT	2010	0 Bayou Cove Peaking Power Plant - CTG4
LA0000000100	001464FACLT	2010	5 Big Cajun 1 - CTG1
LA0000000100	001464FACLT	2010	5 Big Cajun 1 - CTG2
LA0000000100	001464FACLT	2010	22 Big Cajun 1 - 2B1
LA0000000100	001464FACLT	2010	35 Big Cajun 1 - 2B2
LA0000000100	055165FACLT	2010	10 Calcasieu Power, LLC -GTG1
LA0000000100	055165FACLT	2010	8 Calcasieu Power, LLC -GTG2
LA0000000100	055404FACLT	2010	55 Carville Energy Center - COG 1
LA0000000100	055404FACLT	2010	35 Carville Energy Center - COG 2
LA0000000100	001396FACLT	2010	76 Evangeline Power Station (Coughlin) - 7-2
LA0000000100	001396FACLT	2010	51 Evangeline Power Station (Coughlin) - 6-1
LA0000000100	001396FACLT	2010	45 Evangeline Power Station (Coughlin) - 7-1
LA0000000100	001391FACLT	2010	78 Exxon Mobil Louisiana 1 - 1A
LA0000000100	001391FACLT	2010	45 Exxon Mobil Louisiana 1 - 2A
LA0000000100	001391FACLT	2010	76 Exxon Mobil Louisiana 1 - 3A
LA0000000100	001391FACLT	2010	368 Exxon Mobil Louisiana 1 - 4A
LA0000000100	001391FACLT	2010	127 Exxon Mobil Louisiana 1 - 5A
LA0000000100	055419FACLT	2010	34 Plaquemine Cogen Facility - 500
LA0000000100	055419FACLT	2010	22 Plaquemine Cogen Facility - 600
LA0000000100	055419FACLT	2010	29 Plaquemine Cogen Facility - 700
LA0000000100	055419FACLT	2010	38 Plaquemine Cogen Facility - 800
LA0000000100	055467FACLT	2010	13 Quachita Power, LLC -CTGEN1
LA0000000100	055467FACLT	2010	13 Quachita Power, LLC -CTGEN2
LA0000000100	055467FACLT	2010	13 Quachita Power, LLC -CTGEN3
LA0000000100	055117FACLT	2010	0 R S Cogen - RS-4
LA0000000100	055117FACLT	2010	111 R S Cogen - RS-5
LA0000000100	055117FACLT	2010	109 R S Cogen - RS-6
LA0000000100	055089FACLT	2010	77 Taft Cogeneration Facility - CT1
LA0000000100	055089FACLT	2010	67 Taft Cogeneration Facility - CT2
LA0000000100	055089FACLT	2010	76 Taft Cogeneration Facility - CT3
LA0000000100	00FACLT	2010	251 NISCO Unit - 1A
LA0000000100	00FACLT	2010	207 NISCO Unit - 2A
LA0000000100	006190FACLT	2011	17085
LA0000000100	006190FACLT	2011	166 Rodemacher Unit 1
LA0000000100	006190FACLT	2011	1317 Rodemacher Unit 2
LA0000000100	006190FACLT	2011	1558 Rodemacher Unit 3
LA0000000100	001393FACLT	2011	79 RS Nelson Unit 3
LA0000000100	001393FACLT	2011	219 RS Nelson Unit 4
LA0000000100	001393FACLT	2011	1497 RS Nelson Unit 6
LA0000000100	006055FACLT	2011	1708 Big Cajun 2 Unit 1
LA0000000100	006055FACLT	2011	1670 Big Cajun 2 Unit 2



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LA0000000100	006055FACLT	2011	1536 Big Cajun 2 Unit 3
LA0000000100	006055FACLT	2011	0 Big Cajun 2 Unit 4
LA0000000100	000051FACLT	2011	1894 Dolet Hills
LA0000000100	001402FACLT	2011	92 Entergy Little Gypsy 1
LA0000000100	001402FACLT	2011	108 Entergy Little Gypsy 2
LA0000000100	001402FACLT	2011	176 Entergy Little Gypsy 3
LA0000000100	001448FACLT	2011	0 Monroe - 11
LA0000000100	001448FACLT	2011	0 Monroe - 12
LA0000000100	001403FACLT	2011	32 Entergy Ninemile Point -1
LA0000000100	001403FACLT	2011	51 Entergy Ninemile Point -2
LA0000000100	001403FACLT	2011	47 Entergy Ninemile Point -3
LA0000000100	001403FACLT	2011	386 Entergy Ninemile Point -4
LA0000000100	001403FACLT	2011	430 Entergy Ninemile Point -5
LA0000000100	055620FACLT	2011	77 Perryville Power Station CT1
LA0000000100	055620FACLT	2011	92 Perryville Power Station CT2
LA0000000100	055620FACLT	2011	2 Perryville Power Station 2CT
LA0000000100	001404FACLT	2011	8 Sterlington - 7AB
LA0000000100	001404FACLT	2011	9 Sterlington - 7C
LA0000000100	001404FACLT	2011	86 Sterlington - 10
LA0000000100	008056FACLT	2011	243 Entergy Waterford 1 & 2 - 1
LA0000000100	008056FACLT	2011	195 Entergy Waterford 1 & 2 - 2
LA0000000100	001407FACLT	2011	7 Entergy A B Paterson - 3
LA0000000100	001407FACLT	2011	6 Entergy A B Paterson - 4
LA0000000100	001409FACLT	2011	28 Entergy Michoud - 1
LA0000000100	001409FACLT	2011	105 Entergy Michoud - 2
LA0000000100	001409FACLT	2011	305 Entergy Michoud - 3
LA0000000100	001392FACLT	2011	0 Entergy Louisiana 2 - 10
LA0000000100	001392FACLT	2011	0 Entergy Louisiana 2 - 11
LA0000000100	001392FACLT	2011	0 Entergy Louisiana 2 - 12
LA0000000100	001394FACLT	2011	27 Entergy Willow Glen - 1
LA0000000100	001394FACLT	2011	58 Entergy Willow Glen - 2
LA0000000100	001394FACLT	2011	76 Entergy Willow Glen - 3
LA0000000100	001394FACLT	2011	59 Entergy Willow Glen - 4
LA0000000100	001394FACLT	2011	97 Entergy Willow Glen - 5
LA0000000100	001400FACLT	2011	7 Teche Power Station - 2
LA0000000100	001400FACLT	2011	173 Teche Power Station - 3
LA0000000100	001416FACLT	2011	32 Arsenal Hill Power Plant
LA0000000100	001417FACLT	2011	11 Lieberman Power Plant - 3
LA0000000100	001417FACLT	2011	14 Lieberman Power Plant - 4
LA0000000100	001443FACLT	2011	7 Doc Bonin - 1
LA0000000100	001443FACLT	2011	17 Doc Bonin - 2
LA0000000100	001443FACLT	2011	72 Doc Bonin - 3
LA0000000100	001449FACLT	2011	17 Morgan City Electrical Gen Facility
LA0000000100	001439FACLT	2011	3 Houma - 15
LA0000000100	001439FACLT	2011	19 Houma - 16
LA0000000100	006558FACLT	2011	1 D G Hunter - 3
LA0000000100	006558FACLT	2011	2 D G Hunter - 4
LA0000000100	00FACLT	2011	28 Hargis-Hebert Electric Generating Station - U-1
LA0000000100	00FACLT	2011	28 Hargis-Hebert Electric Generating Station - U-2
LA0000000100	001450FACLT	2011	0 Natchitoches - 10
LA0000000100	001458FACLT	2011	0 Ruston - 2
LA0000000100	001458FACLT	2011	0 Ruston - 3
LA0000000100	00FACLT	2011	28 T J Labbe Electric G - U -1
LA0000000100	00FACLT	2011	28 T J Labbe Electric G - U -2
LA0000000100	055173FACLT	2011	20 Acadia Power Station - CT1
LA0000000100	055173FACLT	2011	15 Acadia Power Station - CT2
LA0000000100	055173FACLT	2011	5 Acadia Power Station - CT3
LA0000000100	055173FACLT	2011	11 Acadia Power Station - CT4
LA0000000100	055433FACLT	2011	0 Bayou Cove Peaking Power Plant - CTG1
LA0000000100	055433FACLT	2011	0 Bayou Cove Peaking Power Plant - CTG2
LA0000000100	055433FACLT	2011	0 Bayou Cove Peaking Power Plant - CTG3
LA0000000100	055433FACLT	2011	0 Bayou Cove Peaking Power Plant - CTG4
LA0000000100	001464FACLT	2011	5 Big Cajun 1 - CTG1
LA0000000100	001464FACLT	2011	5 Big Cajun 1 - CTG2
LA0000000100	001464FACLT	2011	22 Big Cajun 1 - 2B1
LA0000000100	001464FACLT	2011	35 Big Cajun 1 - 2B2
LA0000000100	055165FACLT	2011	10 Calcasieu Power, LLC -GTG1
LA0000000100	055165FACLT	2011	8 Calcasieu Power, LLC -GTG2
LA0000000100	055404FACLT	2011	55 Carville Energy Center - COG 1
LA0000000100	055404FACLT	2011	35 Carville Energy Center - COG 2
LA0000000100	001396FACLT	2011	76 Evangeline Power Station (Coughlin) - 7-2
LA0000000100	001396FACLT	2011	51 Evangeline Power Station (Coughlin) - 6-1

Ozone SeasonIssueSerializedAllw

LA0000000100	001396FACLT	2011	45 Evangeline Power Station (Coughlin) - 7-1
LA0000000100	001391FACLT	2011	78 Exxon Mobil Louisiana 1 - 1A
LA0000000100	001391FACLT	2011	45 Exxon Mobil Louisiana 1 - 2A
LA0000000100	001391FACLT	2011	76 Exxon Mobil Louisiana 1 - 3A
LA0000000100	001391FACLT	2011	368 Exxon Mobil Louisiana 1 - 4A
LA0000000100	001391FACLT	2011	127 Exxon Mobil Louisiana 1 - 5A
LA0000000100	055419FACLT	2011	34 Plaquemine Cogen Facility - 500
LA0000000100	055419FACLT	2011	22 Plaquemine Cogen Facility - 600
LA0000000100	055419FACLT	2011	29 Plaquemine Cogen Facility - 700
LA0000000100	055419FACLT	2011	38 Plaquemine Cogen Facility - 800
LA0000000100	055467FACLT	2011	13 Quachita Power, LLC -CTGEN1
LA0000000100	055467FACLT	2011	13 Quachita Power, LLC -CTGEN2
LA0000000100	055467FACLT	2011	13 Quachita Power, LLC -CTGEN3
LA0000000100	055117FACLT	2011	0 R S Cogen - RS-4
LA0000000100	055117FACLT	2011	111 R S Cogen - RS-5
LA0000000100	055117FACLT	2011	109 R S Cogen - RS-6
LA0000000100	055089FACLT	2011	77 Taft Cogeneration Facility - CT1
LA0000000100	055089FACLT	2011	67 Taft Cogeneration Facility - CT2
LA0000000100	055089FACLT	2011	76 Taft Cogeneration Facility - CT3
LA0000000100	00FACLT	2011	251 NISCO Unit - 1A
LA0000000100	00FACLT	2011	207 NISCO Unit - 2A

17085

	Unit		Average (2002- 2004)	Allocation	
	Type	Capacity (MW)	NOx (tons)	NOx (tons)	
Acadia Power Station--CT1	IPP	171	24	24	24
Acadia Power Station--CT2	IPP	171	20	20	20
Acadia Power Station--CT3	IPP	171	26	26	26
Acadia Power Station--CT4	IPP	171	23	23	23
Acadia Power Station--ST1	IPP	190	-	-	
Acadia Power Station--ST2	IPP	190	-	-	
Bayou Cove Peaking Power Plant					
Bayou Cove Peaking Power Plant--CTG-1	IPP	75	1	1	1
Bayou Cove Peaking Power Plant--CTG-2	IPP	75	1	1	1
Bayou Cove Peaking Power Plant--CTG-3	IPP	75	1	1	1
Bayou Cove Peaking Power Plant--CTG-4	IPP	75	1	1	1
Big Cajun 1					
Big Cajun 1--CTG2	IPP	105	22	22	22
Big Cajun 1--CTG1	IPP	105	34	34	34
Big Cajun 1--2B1	IPP	110	-	-	
Big Cajun 1--2B2	IPP	110	-	-	
Calcasieu Power, LLC					
Calcasieu Power, LLC--GTG2	IPP	160	20	20	20
Calcasieu Power, LLC--GTG1	IPP	150	16	16	16
Carville Energy Center					
Carville Energy Center--COG01	Cogen	180	81	81	81
Carville Energy Center--COG02	Cogen	180	48	48	48
Evangeline Power Station					
Evangeline Power Station (Coughlin)--7-2	IPP	154	92	92	92
Evangeline Power Station (Coughlin)--7-1	IPP	154	94	94	94
Evangeline Power Station (Coughlin)--6-1	IPP	157	160	160	160
Exxon Mobil					
Louisiana 1--1A	Cogen	133	224	224	224
Louisiana 1--3A	Cogen	133	210	210	210
Louisiana 1--2A	Cogen	133	152	152	152
Louisiana 1--4A	Cogen	247	899	899	899
Louisiana 1--5A	Cogen	154	304	304	304
Plaquemine Cogen Facility					
Plaquemine Cogen Facility--500	Cogen	169	32	32	32
Plaquemine Cogen Facility--800	Cogen	169	25	25	25
Plaquemine Cogen Facility--700	Cogen	169	25	25	25
Plaquemine Cogen Facility--600	Cogen	169	23	23	23
Quachita Power, LLC					
Quachita Power, LLC--CTGEN1	IPP	161	37	37	37
Quachita Power, LLC--CTGEN2	IPP	161	36	36	36
Quachita Power, LLC--CTGEN3	IPP	161	32	32	32
Quachita Power, LLC--ST1	IPP	111	-	-	
Quachita Power, LLC--ST2	IPP	111	-	-	
Quachita Power, LLC--ST3	IPP	111	-	-	
R S Cogen					
R S Cogen--RS-5	Cogen	168	265	265	265
R S Cogen--RS-6	Cogen	168	268	268	268
R S Cogen--RS-4	Cogen	60	-	-	
Taft Cogeneration Facility					
Taft Cogeneration Facility--CT2	Cogen	155	146	146	146
Taft Cogeneration Facility--CT1	Cogen	155	140	140	140
Taft Cogeneration Facility--CT3	Cogen	155	142	142	142
NISCO					
Unit 1A	Cogen	130	641	641	641
Unit 2A	Cogen	130	508	508	508
			4771.668	4772	4773

Note: non-regulated facilities allowances are based on Nox emissions from previous years. See LAC 33:III.506.A

		Unit	Type	Capacity (MW)	Heat Input (MMBtu)			Average 2002-04 (MMBtu)	Fuel Adjustment	Adjusted Heat Input (MMBtu)	Percent of Total (%)	2008 Allowance ---(tons)---	
					2002	2003	2004						
UTILITY - COAL													
EGSI	R S Nelson-6	UT	550		40,107,832	35,780,852	41,291,126	39,059,937	1.0	39,059,937	9.9%	3,043	3,043
CLECO	Dolet Hills Power Station-1	UT	650		47,370,461	51,798,486	52,218,328	50,462,425	1.0	50,462,425	12.8%	3,931	3,931
CLECO	Rodemacher Power Station (6190)-2	UT	523		33,456,655	34,534,633	34,607,396	34,200,228	1.0	34,200,228	8.7%	2,664	2,664
CLECO	Rodemacher Power Station (6190)-3	UT	660							45,674,640	11.6%	3,558	3,558
Big Cajun 2	Big Cajun 2-2B3	UT	575		39,957,661	41,693,864	49,203,570	43,618,365	1.0	43,618,365	11.1%	3,398	3,398
Big Cajun 2	Big Cajun 2-2B1	UT	580		50,644,785	46,045,445	49,099,171	48,596,460	1.0	48,596,460	12.3%	3,786	3,786
Big Cajun 2	Big Cajun 2-2B2	UT	575		44,799,298	49,456,975	41,579,245	45,278,506	1.0	45,278,506	11.5%	3,528	3,528
Big Cajun 2	Big Cajun 2-2B4	UT	-							-	0.0%	-	-
UTILITY - GAS													
ELL	Little Gypsy-1	UT	238		6,002,668	5,347,176	3,631,164	4,993,669	0.4	1,997,467	0.5%	156	156
ELL	Little Gypsy-2	UT	415		6,526,815	5,553,625	6,508,733	6,195,724	0.4	2,478,290	0.6%	193	193
ELL	Little Gypsy-3	UT	545		15,599,579	5,595,526	6,650,749	9,281,951	0.4	3,712,781	0.9%	289	289
ELL	Monroe-11	UT	33		5,301	-	849	1,983	0.4	793	0.0%	0	0
ELL	Monroe-12	UT	72		-	-	-	-	0.4	-	0.0%	-	-
ELL	Ninemile Point-1	UT	50		2,101,666	1,468,754	2,371,057	1,980,482	0.4	792,197	0.2%	62	62
ELL	Ninemile Point-2	UT	60		4,229,985	2,319,616	3,091,392	3,213,664	0.4	1,285,466	0.3%	100	100
ELL	Ninemile Point-3	UT	125		2,292,532	2,054,435	2,169,068	2,168,678	0.4	867,471	0.2%	68	68
ELL	Ninemile Point-4	UT	730		28,715,108	28,013,125	19,501,895	24,743,376	0.4	9,887,350	2.5%	771	771
ELL	Ninemile Point-5	UT	740		31,508,173	17,950,396	28,370,612	25,943,060	0.4	10,377,224	2.6%	808	808
ELL	Perryville Power Station-2CT	UT	156		28,058	46,290	102,816	59,055	0.4	23,622	0.0%	2	2
ELL	Perryville Power Station-CT1	UT	169		2,173,910	3,071,465	6,339,447	3,861,607	0.4	1,544,643	0.4%	120	120
ELL	Perryville Power Station-CT2	UT	169		3,544,553	3,071,599	6,594,656	4,403,603	0.4	1,761,441	0.4%	137	137
ELL	Sterlington-10	UT	225		9,184,867	4,380,881	1,688,158	5,084,562	0.4	2,033,925	0.5%	158	158
ELL	Sterlington-7AB	UT	94		797,816	533,306	152,605	494,576	0.4	197,830	0.1%	15	15
ELL	Sterlington-7C	UT	93		971,079	501,684	255,184	575,982	0.4	230,393	0.1%	18	18
ELL	Waterford 1 & 2-1	UT	411		11,882,851	15,106,947	13,832,353	13,607,317	0.4	5,442,927	1.4%	424	424
ELL	Waterford 1 & 2-2	UT	411		10,107,024	10,176,482	13,468,847	11,250,784	0.4	4,500,314	1.1%	351	351
ENO	A B Paterson-3	UT	50		611,133	-	148,262	253,132	0.4	101,253	0.0%	8	8
ENO	A B Paterson-4	UT	72		573,780	-	-	191,260	0.4	76,504	0.0%	6	6
ENO	Michoud-1	UT	65		1,408,510	934,531	1,782,800	1,375,214	0.4	550,085	0.1%	43	43
ENO	Michoud-2	UT	244		6,730,065	9,243,544	4,745,143	6,906,251	0.4	2,762,500	0.7%	215	215
ENO	Michoud-3	UT	545		20,730,139	14,149,906	18,438,086	17,772,710	0.4	7,109,084	1.8%	554	554
EGSI	Louisiana 2-10	UT	40		1,842	-	1,841	1,228	0.4	491	0.0%	0	0
EGSI	Louisiana 2-11	UT	40		1,304	-	2,078	1,127	0.4	451	0.0%	0	0
EGSI	Louisiana 2-12	UT	60		9,010	-	5,429	4,813	0.4	1,925	0.0%	0	0
EGSI	R S Nelson-3	UT	153		6,200,274	5,528,387	4,584,879	5,430,513	0.4	2,172,205	0.6%	169	169
EGSI	R S Nelson-4	UT	500		18,129,618	10,604,080	11,748,343	13,827,347	0.4	5,530,939	1.4%	431	431
EGSI	Willow Glen-1	UT	152		3,072,757	2,052,306	822,369	1,982,477	0.4	792,991	0.2%	62	62
EGSI	Willow Glen-2	UT	205		4,497,247	2,647,984	2,659,087	3,268,106	0.4	1,307,242	0.3%	102	102
EGSI	Willow Glen-3	UT	450		10,769,351	-	137,718	3,635,690	0.4	1,454,276	0.4%	113	113
EGSI	Willow Glen-4	UT	540		4,193,488	2,605,807	104,499	2,301,265	0.4	920,506	0.2%	72	72
EGSI	Willow Glen-5	UT	485		13,608,719	3,250,188	2,104,071	6,320,993	0.4	2,528,397	0.6%	197	197
CLECO	Rodemacher Power Station-1	UT	440		15,199,306	8,640,100	8,026,577	10,621,994	0.4	4,248,798	1.1%	331	331
CLECO	Tech Power Station-2	UT	48		222,638	39,150	687,344	316,377	0.4	126,551	0.0%	10	10
CLECO	Tech Power Station-3	UT	359		8,367,434	11,590,752	8,668,416	9,542,201	0.4	3,816,880	1.0%	297	297
SWEPSCO	Arsenal Hill Power Plant-5A	UT	110		1,575,214	1,374,073	1,422,206	1,457,164	0.4	582,866	0.1%	45	45
SWEPSCO	Lieberman Power Plant-4	UT	108		690,443	708,134	136,307	511,628	0.4	204,651	0.1%	16	16
SWEPSCO	Lieberman Power Plant-3	UT	112		618,655	582,683	71,300	424,213	0.4	169,685	0.0%	13	13
MUNICIPAL - GAS													
Lafayette Util	Doc Bonin-2	Muni	84		616,505	773,634	1,754,442	1,048,194	0.4	419,277	0.1%	33	33
Morgan City	Morgan City Electrical Gen Facility-4	Muni	36		949,573	768,217	1,009,764	909,185	0.4	363,674	0.1%	28	28
Lafayette Util	Doc Bonin-3	Muni	173		4,157,800	2,644,532	3,151,399	3,317,844	0.4	1,327,137	0.3%	103	103

		Unit		Heat Input (MMBtu)			Average	Fuel	Adjusted	Allocation		
		Type	Capacity	2002	2003	2004	2002-04	Adjustment	Heat	Percent	2009	
		(MW)					(MMBtu)		Input	of Total	Allowance	
									(MMBtu)	(%)	— (tons) —	
											30,742	
Terrebonne	Houma--15	Muni	24	68,225	94,778	472,848	211,950	0.4	84,780	0.0%	7	7
Terrebonne	Houma--16	Muni	39	1,140,443	1,064,308	832,525	1,019,092	0.4	407,637	0.1%	32	32
Lafayette Util	Doc Bonin--1	Muni	45	44,707	63,684	705,677	271,349	0.4	108,540	0.0%	8	8
City of Alexan	D G Hunter--3	Muni	47	48,873	85,532	-	44,135	0.4	17,854	0.0%	1	1
City of Alexan	D G Hunter--4	Muni	78	77,566	160,924	-	79,487	0.4	31,799	0.0%	2	2
Lafayette Util	Hargis-Hebert Electric Generating Station--U-1	Muni	14					0.4	830,317	0.2%	65	65
Lafayette Util	Hargis-Hebert Electric Generating Station--U-2	Muni	14					0.4	830,317	0.2%	65	65
	Natchitoches--10	Muni	26	2,027	22,065	17,141	13,744	0.4	5,498	0.0%	0	
City of Ruston	Ruston--2	Muni	25	8,935	11,828	-	8,921	0.4	2,768	0.0%	0	
City of Ruston	Ruston--3	Muni	40	59,740	11,281	-	23,674	0.4	9,488	0.0%	1	1
Lafayette Util	T J Labbe Electric G--U-1	Muni	14					0.4	830,317	0.2%	65	65
Lafayette Util	T J Labbe Electric G--U-2	Muni	14					0.4	830,317	0.2%	65	65
											30,742	
								Total:	394,582,378	100.0%		30,739

Note: regulated facilities allowances are based on previous heat inputs. See LAC 33:111.506.A. After 2014, 35512 in cell U6 changes to 29593

	Unit		Average (2002- 2004)	Allocation	
	Type	Capacity (MW)	NOx (tons)	NOx (tons)	
Acadia Power Station--CT1	IPP	171	20	20	20
Acadia Power Station--CT2	IPP	171	15	15	15
Acadia Power Station--CT3	IPP	171	5	5	5
Acadia Power Station--CT4	IPP	171	11	11	11
Acadia Power Station--ST1	IPP	190	-	-	
Acadia Power Station--ST2	IPP	190	-	-	
Bayou Cove Peaking Power Plant					
Bayou Cove Peaking Power Plant--CTG-1	IPP	75	-	-	
Bayou Cove Peaking Power Plant--CTG-2	IPP	75	-	-	
Bayou Cove Peaking Power Plant--CTG-3	IPP	75	-	-	
Bayou Cove Peaking Power Plant--CTG-4	IPP	75	-	-	
Big Cajun 1					
Big Cajun 1--CTG2	IPP	105	5	5	5
Big Cajun 1--CTG1	IPP	105	5	5	5
Big Cajun 1--2B1	IPP	110	22	22	22
Big Cajun 1--2B2	IPP	110	35	35	35
Calcasieu Power, LLC					
Calcasieu Power, LLC--GTG2	IPP	160	8	8	8
Calcasieu Power, LLC--GTG1	IPP	150	10	10	10
Carville Energy Center					
Carville Energy Center--COG01	Cogen	180	55	55	55
Carville Energy Center--COG02	Cogen	180	35	35	35
Evangeline Power Station					
Evangeline Power Station (Coughlin)--7-2	IPP	154	76	76	76
Evangeline Power Station (Coughlin)--7-1	IPP	154	45	45	45
Evangeline Power Station (Coughlin)--6-1	IPP	157	51	51	51
Exxon Mobil					
Louisiana 1--1A	Cogen	133	78	78	78
Louisiana 1--3A	Cogen	133	76	76	76
Louisiana 1--2A	Cogen	133	45	45	45
Louisiana 1--4A	Cogen	247	368	368	368
Louisiana 1--5A	Cogen	154	127	127	127
Plaquemine Cogen Facility					
Plaquemine Cogen Facility--500	Cogen	169	34	34	34
Plaquemine Cogen Facility--800	Cogen	169	38	38	38
Plaquemine Cogen Facility--700	Cogen	169	29	29	29
Plaquemine Cogen Facility--600	Cogen	169	22	22	22
Quachita Power, LLC					
Quachita Power, LLC--CTGEN1	IPP	161	13	13	13
Quachita Power, LLC--CTGEN2	IPP	161	13	13	13
Quachita Power, LLC--CTGEN3	IPP	161	13	13	13
Quachita Power, LLC--ST1	IPP	111	-	-	
Quachita Power, LLC--ST2	IPP	111	-	-	
Quachita Power, LLC--ST3	IPP	111	-	-	
R S Cogen					
R S Cogen--RS-5	Cogen	168	111	111	111
R S Cogen--RS-6	Cogen	168	109	109	109
R S Cogen--RS-4	Cogen	60	-	-	

Taft Cogeneration Facility						
	Taft Cogeneration Facility--CT2	Cogen	155	67	67	67
	Taft Cogeneration Facility--CT1	Cogen	155	77	77	77
	Taft Cogeneration Facility--CT3	Cogen	155	76	76	76
NISCO	Unit 1A	Cogen	130	251	251	251
	Unit 2A	Cogen	130	207	207	207
				2152.000	2152	2152

		Unit		Heat Input (MMBtu)			Average	Fuel	Adjusted	Final Allocation	
		Type	Capacity	2002	2003	2004	2002-04	Adjustment	Heat	Percent	2009
			(MW)				(MMBtu)		Input	of Total	Allowance
									(MMBtu)	(%)	—(tons)—
											14,935
UTILITY - COAL											
EGSI	R S Nelson-6	UT	550	15,541,714	18,165,807	21,177,831	18,295,117	1.0	18,295,117	10.0%	1,497
CLECO	Dolet Hills Power Station-1	UT	650	23,241,711	22,767,923	23,396,465	23,135,366	1.0	23,135,366	12.7%	1,894
CLECO	Rodemacher Power Station (6190)-2	UT	523	16,896,497	14,428,904	16,941,310	16,088,904	1.0	16,088,904	8.8%	1,317
CLECO	Rodemacher Power Station (6190)-3	UT	600						19,031,100	10.4%	1,558
Big Cajun 2	Big Cajun 2-2B3	UT	575	19,795,260	16,466,365	20,029,355	18,763,660	1.0	18,763,660	10.3%	1,536
Big Cajun 2	Big Cajun 2-2B1	UT	580	20,205,423	21,492,727	20,896,247	20,864,799	1.0	20,864,799	11.4%	1,708
Big Cajun 2	Big Cajun 2-2B2	UT	575	19,233,510	20,252,509	21,732,472	20,406,164	1.0	20,406,164	11.2%	1,670
Big Cajun 2	Big Cajun 2-2B4	UT	675						-	0.0%	-
UTILITY - GAS											
ELL	Little Gypsy-1	UT	238	3,620,785	2,279,462	2,502,906	2,801,051	0.4	1,120,420	0.6%	92
ELL	Little Gypsy-2	UT	415	3,292,320	3,204,449	3,444,517	3,313,762	0.4	1,325,505	0.7%	108
ELL	Little Gypsy-3	UT	545	8,263,563	4,905,359	2,996,657	5,388,526	0.4	2,155,411	1.2%	176
ELL	Monroe-11	UT	33	5,301	-	649	1,983	0.4	793	0.0%	0
ELL	Monroe-12	UT	72	-	-	-	-	0.4	-	0.0%	-
ELL	Ninemile Point-1	UT	50	1,050,254	675,060	1,216,860	980,725	0.4	392,290	0.2%	32
ELL	Ninemile Point-2	UT	60	1,984,646	1,233,059	1,466,834	1,561,513	0.4	624,605	0.3%	51
ELL	Ninemile Point-3	UT	125	1,649,528	1,307,474	1,388,924	1,448,642	0.4	579,457	0.3%	47
ELL	Ninemile Point-4	UT	730	13,930,203	10,443,719	11,021,974	11,798,632	0.4	4,719,453	2.6%	386
ELL	Ninemile Point-5	UT	740	15,721,954	9,102,410	14,604,418	13,142,927	0.4	5,257,171	2.9%	430
ELL	Perryville Power Station-2CT	UT	156	28,058	46,290	80,298	51,549	0.4	20,619	0.0%	2
ELL	Perryville Power Station-CT1	UT	189	1,994,363	1,974,419	3,056,990	2,341,924	0.4	936,770	0.5%	77
ELL	Perryville Power Station-CT2	UT	169	3,361,696	1,908,889	3,148,914	2,806,500	0.4	1,122,600	0.6%	92
ELL	Sterlington-10	UT	225	4,247,405	2,225,278	1,410,409	2,627,697	0.4	1,051,079	0.6%	86
ELL	Sterlington-7AB	UT	94	565,415	148,131	59,594	257,713	0.4	103,085	0.1%	8
ELL	Sterlington-7C	UT	93	627,841	157,590	77,708	287,713	0.4	115,085	0.1%	9
ELL	Waterford 1 & 2-1	UT	411	7,094,866	6,634,059	8,562,022	7,430,316	0.4	2,972,126	1.6%	243
ELL	Waterford 1 & 2-2	UT	411	4,871,725	5,371,822	7,612,769	5,952,105	0.4	2,380,842	1.3%	195
ENO	A B Paterson-3	UT	50	494,719	-	137,616	210,778	0.4	84,311	0.0%	7
ENO	A B Paterson-4	UT	72	511,228	-	-	170,409	0.4	68,164	0.0%	6
ENO	Michoud-1	UT	65	958,413	613,198	1,024,392	865,334	0.4	346,134	0.2%	28
ENO	Michoud-2	UT	244	3,245,531	3,749,378	2,627,283	3,207,397	0.4	1,282,959	0.7%	105
ENO	Michoud-3	UT	545	11,525,033	8,512,105	7,870,973	9,302,704	0.4	3,721,081	2.0%	305
EGSI	Louisiana 2-10	UT	40	17	-	1,841	619	0.4	248	0.0%	0
EGSI	Louisiana 2-11	UT	40	1,304	-	2,078	1,127	0.4	451	0.0%	0
EGSI	Louisiana 2-12	UT	60	460	-	5,429	1,963	0.4	785	0.0%	0
EGSI	R S Nelson-3	UT	153	3,183,307	2,113,371	1,959,589	2,418,756	0.4	967,502	0.5%	79
EGSI	R S Nelson-4	UT	500	9,861,406	4,603,004	5,586,055	6,683,488	0.4	2,673,395	1.5%	219
EGSI	Willow Glen-1	UT	152	1,499,412	988,384	23,605	837,134	0.4	334,853	0.2%	27



EGSI	Willow Glen--2	UT	205	2,451,182	1,034,846	1,803,249	1,763,092	0.4	705,237	0.4%	58	58
EGSI	Willow Glen--3	UT	450	6,844,542	-	137,718	2,327,420	0.4	930,968	0.5%	76	76
EGSI	Willow Glen--4	UT	540	3,634,637	1,808,666	-	1,814,434	0.4	725,774	0.4%	59	59
EGSI	Willow Glen--5	UT	485	7,661,968	883,226	312,692	2,952,629	0.4	1,181,051	0.6%	97	97
CLECO	Rodemacher Power Station--1	UT	440	7,349,264	4,457,458	3,375,625	5,060,782	0.4	2,024,313	1.1%	166	166
CLECO	Teche Power Station--2	UT	48	98,512	39,150	528,093	221,918	0.4	88,767	0.0%	7	7
CLECO	Teche Power Station--3	UT	359	5,220,542	5,706,788	4,925,892	5,284,407	0.4	2,113,763	1.2%	173	173
SWEPCO	Arsenal Hill Power Plant--5A	UT	110	1,105,432	1,010,915	812,187	976,178	0.4	390,471	0.2%	32	32
SWEPCO	Lieberman Power Plant--4	UT	108	552,316	552,922	138,307	413,848	0.4	165,539	0.1%	14	14
SWEPCO	Lieberman Power Plant--3	UT	112	447,684	503,543	26,924	326,050	0.4	130,420	0.1%	11	11
MUNICIPAL - GAS												-
Lafayette Utilities System	Doc Bonin--2	Muni	84	107,224	564,438	897,926	523,196	0.4	209,278	0.1%	17	17
Morgan City	Morgan City Electrical Gen Facility--4	Muni	36	545,517	533,829	517,377	532,241	0.4	212,896	0.1%	17	17
Lafayette Utilities System	Doc Bonin--3	Muni	173	2,483,245	1,959,306	2,155,330	2,199,294	0.4	879,717	0.5%	72	72
Terrebonne	Houma--15	Muni	24	36,588	32,983	182,724	84,098	0.4	33,639	0.0%	3	3
Terrebonne	Houma--16	Muni	39	673,311	515,800	511,596	566,836	0.4	226,734	0.1%	19	19
Lafayette Utilities System	Doc Bonin--1	Muni	45	31,932	63,539	535,683	210,388	0.4	84,155	0.0%	7	7
City of Alexandria	D G Hunter--3	Muni	47	8,591	73,939	-	27,510	0.4	11,004	0.0%	1	1
City of Alexandria	D G Hunter--4	Muni	78	3,432	148,142	-	50,525	0.4	20,210	0.0%	2	2
Lafayette Utilities System	Hargis-Hebert Electric Generating Station--U-1	Muni	48	-	-	-	14	0.4	345,965	0.2%	28	28
Lafayette Utilities System	Hargis-Hebert Electric Generating Station--U-2	Muni	48	-	-	-	14	0.4	345,965	0.2%	28	28
City of Ruston	Natchitoches--10	Muni	26	30	2,946	17,128	6,701	0.4	2,681	0.0%	0	0
City of Ruston	Ruston--2	Muni	25	1,398	1,228	-	875	0.4	350	0.0%	0	0
City of Ruston	Ruston--3	Muni	40	11,892	6,707	-	6,200	0.4	2,480	0.0%	0	0
Lafayette Utilities System	T J Labbe Electric G--U-1	Muni	48	-	-	-	14	0.4	345,965	0.2%	28	28
Lafayette Utilities System	T J Labbe Electric G--U-2	Muni	48	-	-	-	14	0.4	345,965	0.2%	28	28
Note: regulated facilities allowances are based on previous heat inputs. See LAC 33:III.506.B. After 2014, 17085 in cell U6 changes to 14238												-
Total:									182,465,616	100.0%	14,935	14933

## Calculating Annual CAIR NO<sub>x</sub> Allowances Using the Louisiana Method

Attached is a spreadsheet with the CAIR NO<sub>x</sub> annual and ozone season allowances allocated per the method proposed by LDEQ. The method reflects the recommendations of the Louisiana Public Service Commission. The spreadsheet columns will be referred to in the explanation of the calculation method.

### ANNUAL NO<sub>x</sub> ALLOCATIONS

**Step 1: Calculate the average annual NO<sub>x</sub> emissions per CAIR unit.**

- See worksheet tab "Annual for Non-Utility Units".  
This Step applies only to electricity-generating units that have not been certified by the LPSC or approved by a municipal authority and do not have long term contracts with a public utility or municipal authority. This includes independent power producers (IPPs) and co generators.
- Initial allocation of allowances for 2009, 2010, & 2011:
  - ✓ For 2002, 2003, and 2004, data from both the department's emissions inventory and the Federal Acid Rain database were used. The Federal Acid Rain database was only used when the data was not available in the department's emission inventory.
  - ✓ For 2002, 2003, and 2004, the Federal Acid Rain database information was used for allocating ozone season NO<sub>x</sub> allocations for non-utility units.
  - ✓ The Federal Acid Rain database information is available at [http://cfpub.epa.gov/dm/index.cfm?fuseaction=whereyoulive.state&displaymode=view&program=selection=none&prg\\_code=ARP&year=2003&state=LA](http://cfpub.epa.gov/dm/index.cfm?fuseaction=whereyoulive.state&displaymode=view&program=selection=none&prg_code=ARP&year=2003&state=LA).
  - ✓ Example using actual NO<sub>x</sub> emissions [tons per year (tpy)]:  
$$(2002 + 2003 + 2004)/3 = \text{average actual NO}_x \text{ emissions (tpy)}$$
  
Enter the result of the average calculation in columns H and I of the spreadsheet.
- Each control period allowance allocations beginning in 2008 will use emission data (partial and complete) from the 3 calendar years immediately preceding the year in which the control period allocations are submitted to the Administrator...
  - ✓ Examples:  
To allocate 2012 allowances in 2008 use 2005, 2006, 2007,  
To allocate 2013 allowances in 2009 use 2006, 2007, 2008,
- For units that begin operation after January 1, 2007, NO<sub>x</sub> allocations will not be made until there is a calendar year of data (partial or complete). Data from that calendar year will be used instead of an average. When there are 2 calendar years

➤ **ANNUAL NO<sub>x</sub> ALLOCATIONS (cont.)**

**Step 1: Continued**

- of data, the 2 years will be averaged. Once a unit is operating, commencing from start up, every calendar year will be considered an operating year even if the emissions are zero.

**Step 2: Calculate the average heat input (MMBtu) per CAIR unit.**

- See worksheet tab "Annual for Utility Units"
- This Step applies only to utility units which either have been certified by the LPSC or approved by a municipal authority and are operational, or are non-utility units that have an effective and active long term contract with a public utility or municipal authority.
- Initial allocation of allowances for 2009, 2010, & 2011:
  - ✓ For 2002, 2003, and 2004 data was used from the Acid Rain Program database which is available at [http://cfpub.epa.gov/gdm/index.cfm?fuseaction=whereyoulive.state&displaymode=view&programYearSelection=none&prg\\_code=AR&year=2003&state=LA](http://cfpub.epa.gov/gdm/index.cfm?fuseaction=whereyoulive.state&displaymode=view&programYearSelection=none&prg_code=AR&year=2003&state=LA)
  - ✓ Enter the heat input data (MMBtu) for the appropriate years and the Excel spreadsheet will perform the calculations.

Examples:

$$\text{Heat input 2002} + \text{heat input 2003} + \text{heat input 2004} / 3 = \text{average heat input (MMBtu)}$$

$$\text{Columns (J+I+K)} / 3 = \text{Column M}$$

- Beginning in 2008, use the heat input (MMBtu) for the most recent three (3) calendar years. The information should be available in the department's emission inventory. If the data cannot be obtained from the emission inventory, use the data in the Federal Acid Rain Program database. Use the heat input for the most recent three (3) calendar years divided by 3 (for 3 years).

✓ Example:

- To allocate 2012 allowances in 2008 use the heat input (MMBtu) from 2005, 2006, and 2007
- To allocate 2013 allowances in 2009 use the heat input (MMBtu) from 2006, 2007, and 2008

Once a unit is operating, commencing from start up, every calendar year will be considered an operating year even if the emissions are zero. If data is available for only one (1) calendar year, use the heat input for that calendar year. If data is available for only the two (2) most recent calendar years, average the data.

- Certified units.
  - ✓ An electricity-generating unit or contract that has been certified by the LPSC or approved by a municipal authority but is not yet in operation and must be subject to CAIR.
  - ✓ For coal-fired units that begin operation after January 1, 2007, multiply the certified gross electrical output in MW by 7,900 Btu/kWh and divide by 1,000,000 Btu/mmBtu (basis for calculation in CAIR model rule, 40

## ANNUAL NO<sub>x</sub> ALLOCATIONS

### Step 2: Continued

CFR Part 96.142). To convert from hourly to yearly multiply by 8,760 hours per year and to convert MW to kW multiply by 1,000.

Example for a coal-fired unit that begin operation after January 1, 2007, with a certified gross electrical output of 700 MW.

Calculated heat input =

$$700 \times 7,900 \times 8760 \times 1000 / 1,000,000 = 48,442,800 \text{ MMBtu.}$$

- ✓ For units that begin operation after January 1, 2007, not coal-fired, multiply the certified gross electrical output in MW by 6,675 Btu/kWh and divide by 1,000,000 Btu/mmBtu (basis for calculation in CAIR model rule, 40 CFR Part 96.142). To convert from hourly to yearly multiply by 8,760 hours per year and to convert MW to kW multiply by 1,000.

Example for a gas-fired unit that begin operation after January 1, 2007, with a certified gross electrical output of 200 MW.

Calculated heat input =

$$200 \times 6675 \times 8760 \times 1000 / 1,000,000 = 11,694,600 \text{ mmBtu.}$$

- ✓ The adjusted heat input for certified units that begin operation after January 1, 2007, will be used until there exists three (3) calendar years of operating data prior to the allowance allocation year for a control period for which allowances have not been allocated. Once a unit is operating, commencing from start up every calendar year will be considered an operating year even if the emissions are zero.

### Step 3: Calculate the adjusted heat input (MMBtu) for each Utility unit.

- See worksheet tab "Annual for Utility Units"
- This Step applies only to LPSC certified units or a municipal authority approved unit that was in operation, or a non-utility unit that has an effective and active long term contract with a public utility or municipal authority.
- Initial allocation of allowances for 2009, 2010, & 2011:
  - ✓ average heat input (MMBtu) multiplied by fuel adjustment factor (taken from the FIP) = adjusted heat input (MMBtu) for the unit
  - Fuel adjustment factor (Column O) based on fuel used: coal = 1; gas = 0.4; other type fuels, consult the FIP
  - ✓ Columns M X O = Column Q
  - Example: Little Gypsy –Unit 1 4,993,669 MMBtu X .4 = 1,997,467 MMBtu
- Beginning in 2008 this step will be calculated in the same manner using the appropriate data.
- No fuel adjustment factor is used for certified units that begin operation after January 1, 2007, —the fuel type is accounted for in the gross electrical output calculation to obtain a converted heat input.

### Step 4: Adjust the Louisiana Budget

- Total Column I on the worksheet tab "Annual for Non-Utility Units"

## ANNUAL NO<sub>x</sub> ALLOCATIONS

### Step 4: Continued

- Subtract the total of Column I from the Louisiana NO<sub>x</sub> annual budget for the control period. Louisiana (LA) Phase 1 NO<sub>x</sub> Annual Budget 2009-2014 = 35,512 tpy; LA Phase 2 NO<sub>x</sub> Annual Budget for 2015 forward = 29,593 tpy
  - ✓ Note: The Louisiana Budget for utility units will need to be adjusted each year beginning with 2008 when the allowances for control period 2012 are allocated because non-utility units are allocated first.
- The adjusted Louisiana Budget appears on the worksheet tab "Annual for Utility Units" in Column T, Line 6.
- The calculations are performed by the Excel spreadsheet using the ratio value (column S) and the adjusted heat input (column Q). The allowances appear in column T.
- To allocate the initial allowances for 2009, 2010, and 2011
  - ✓ Use the ratio of each unit's adjusted heat input (MMBtu) (Column Q) to the total adjusted heat input (the total of Column Q). The value of this ratio (%) is in Column S. The Column S value is **multiplied** by the LA cap Phase 1 NO<sub>x</sub> Annual Budget for 2009 (Column T, Line 6). Round to nearest whole number and the allowance is located in Column T.
  - ✓ Column Q for the unit / Column Q Total = Column S (% ratio)  
Column S X 30,688 tpy = Column T (allowance)

Example: Little Gypsy-1

1,997,467 MMBtu divided by the sum of all column R values (33,831,569 MMBtu) multiplied by 30,688 tpy (adjusted Louisiana budget for 2009)  
= 141 tpy

- ✓ Beginning in 2008 for control period 2012, and for each control period after, this step will be calculated in the same manner using the appropriate data.

### OZONE SEASON NO<sub>x</sub> ALLOCATIONS

- Calculated in the same manner as annual NO<sub>x</sub> allowances.
- Use Steps 1-4 but modify all the emissions (NO<sub>x</sub> tpy) and heat input (MMBtu) data by using seasonal (May through September) data found in the Federal Acid Rain database at the web address listed above. If seasonal data is not available use annual data and multiply the data by 5/12.
- Louisiana (LA) Phase 1 Seasonal NO<sub>x</sub> Budget 2009-2014 = 17,085 tpy; LA Phase 2 Seasonal NO<sub>x</sub> Budget for 2015 forward = 14,238 tpy

Example:

Joe's Electrical Generating Unit emitted an average of 200 tons per year for 2009, 2010, and 2011. To calculate the average ozone season NO<sub>x</sub> emissions:

$$200 \text{ tpy} \times 5/12 = 83 \text{ tpy}$$

A LPSC regulated utility had an average adjusted heat input of 34,200,228 MMBtus. To calculate the average adjusted heat input for the ozone season:

$$34,200,228 \times 5/12 = 14,250,095$$

**Comment Summary Response & Concise Statement – AQ285  
Amendments to the Air Regulations  
CAIR NO<sub>x</sub> Annual and Ozone Season Trading Programs  
LAC 33:III.506**

Concise Statement arguments:

FOR: [The reason supporting WHY the suggestion in the comment should be adopted by DEQ.  
Usually this is the commenter's perspective.]

AGAINST: [The reason WHY the department feels the suggestion should NOT be adopted.]

COMMENT 1: — The commenter supports LDEQ's method for NO<sub>x</sub> allocations compared to that used by the EPA in 40 CFR 97 Subpart EE and 40 CFR 97 Subpart EEEE and the federal implementation plan (FIP), provided the changes in comments #6 and #14 are made. The EPA's method uses fuel adjustment factors, which penalize sources that burn cleaner and more efficient gases and fuel oils to generate energy while subsidizing coal-burning sources, which generate more pollution and produce energy less efficiently.

FOR/AGAINST -- No arguments necessary; see arguments for comments #6 and #14.

RESPONSE 1: — The department appreciates the support for the NO<sub>x</sub> allocations compared to that used by the EPA in 40 CFR 97 Subpart EE and 40 CFR 97 Subpart EEEE and the federal implementation plan.

COMMENT 2: — The commenter supports the proposed language in AQ285, the associated allocation tables, and the department's allocation methodology compared to the FIP methodology. These provide the commenter with fair NO<sub>x</sub> allocations. The federal program provided insufficient NO<sub>x</sub> allocations to the commenter and threatened the economic viability of his business. The commenter also supports the definition of *non-utility unit* in the proposed rule. The proposed language makes it clear that the commenter's two units will be classified as non-utility units.

FOR/AGAINST -- No arguments necessary; comment does not suggest amendment or change.

RESPONSE 2: — The department appreciates the support.

COMMENT 3: — While the proposed rule does not fully address the commenter's concerns, the commenter strongly supports the proposed changes, and applauds the department's efforts, which will encourage the continued and future use of environmentally friendly and highly efficient power stations.

FOR/AGAINST -- No arguments necessary; comment does not suggest amendment or change.

RESPONSE 3: — The department appreciates the support.

COMMENT 4: — The proposed allocations for the R. S. Cogen Units 5 and 6 at PPG's Lake Charles facility, as shown on the department's Clean Air Interstate Rule (CAIR) home page, are incorrect because they do not match the average actual NO<sub>x</sub> emissions from the two units during the calendar years 2003 and 2004. Contrary to the actual language of the proposed rule, the department used emissions data from 2002, a partial year of operation, to calculate the proposed allocations for these two units. The department should recalculate these proposed allocations based upon the average of only 2003 and 2004 emissions. Failure to do so will cost R. S. Cogen an estimated \$400,000 to \$1.2 million annually and is contrary to the recommendations of the Louisiana Public Service Commission (LPSC).

FOR: Allocations should only be made considering a full year of operation.

AGAINST: Most if not all units will not operate 100% per year. At some time during the year a unit will be down, if only briefly. Therefore, allocations based upon only a full year of operation are infeasible.

RESPONSE 4: — The department does not interpret the proposed rule to imply that data must have been available for the entire calendar year. The rule refers to calendar year(s) but does not specify that there must be data for an entire calendar year, only that there is some data for a calendar year(s). As stated in the against argument above, few units have data for an "entire" year. Units or facilities are often down for some time during a year which implies that all years are potentially "partial" years of operation.



The EPA methodology also uses data from partial years and partial ozone seasons to determine NO<sub>x</sub> allowances under the FIP. This is somewhat mitigated because EPA uses the heat input data from the three highest years of the previous five years.

- COMMENT 5: — Make the proposed rule consistent with the LPSC recommendations by adopting one of the following three options:
1. Clarify the proposed rule so that when the rule speaks of data available for a calendar year, that means data must have been available for the entire calendar year, so that a partial year of operation of a new facility does not skew the results of the average.
  2. Provide a technical amendment to the proposed rule that adds the following sentence to the end of §506.A.2.a.  
  
“If the facility commenced initial operation during the three calendar year period, the initial partial year of operation shall not be considered in the averaging process, unless such partial calendar year of operation is the only data available for the three year period, in which case, such data shall be annualized.”  
  
Provide a similar amendment for ozone season allocations by adding the following sentence to the end of §506.B.2.a.  
  
“If the facility commenced initial operation during the ozone season of one of the three calendar years in this period, the partial ozone season of operation shall not be considered in the averaging process, unless such initial commencement of operation occurred during the ozone season of the last calendar year of the three year period, in which case, the actual emissions during such ozone season shall be used.”
  3. Base the allocations solely on 2004 data, as was recommended by the LPSC in its report to the department.
- FOR: Allocations should only be made considering a full year of operation.
- AGAINST: Most if not all units will not operate 100% per year. At some time during the year a unit will be down, if only briefly. Therefore, allocations based upon only a full year of operation are infeasible.
- RESPONSE 5: — The department does not interpret the proposed rule to imply

that data must have been available for the entire calendar year. The rule refers to calendar year(s) but does not specify that there must be data for an entire calendar year, only that there is some data for a calendar year(s). As stated in the against argument above, few units have data for an "entire" year. Units or facilities are often down for some time during a year which implies that all years are potentially "partial" years of operation.

The EPA methodology also uses data from partial years and partial ozone seasons to determine NO<sub>x</sub> allowances under the FIP. This is somewhat mitigated because EPA uses the heat input data from the three highest years of the previous five years.

COMMENT 6: — LDEQ should consider a reopener clause or a sunset clause in case portions of CAIR are no longer required.

FOR: If for any reason, CAIR is no longer applicable to the state of Louisiana, there should be a way to eliminate the state CAIR rule or that portion of the state CAIR rule.

AGAINST: The applicability of CAIR to the state of Louisiana is determined by EPA. The department is only granted the ability to allocate the NO<sub>x</sub> budget.

RESPONSE 6: —EPA, not the department, would have to remove the state of Louisiana from CAIR. If the state was delisted as a CAIR state and the department did not respond in a timely manner, the revocation of this rule, in accordance with the Administrative Procedure Act (R.S. 49:950 et seq.), could be pursued through the procedure currently in place where facilities can request removal of a regulation.

COMMENT 7: — LDEQ should initiate rulemaking later to address reallocation of NO<sub>x</sub> allocations for certified units that are awarded, but then not used because the unit commences operation later than planned or does not commence operation at all during the control period for which the allocations are awarded.

FOR/AGAINST -- The department agrees with the comment; no arguments are necessary.

RESPONSE 7: — The department will consider at a later date, rulemaking to

address reallocation of NO<sub>x</sub> allocations for certified units that are awarded but then not used because the unit commenced operation later than planned or did not commence operation at all.

COMMENT 8: — LDEQ, the LPSC, and municipal authorities should use good judgment when estimating the future load of a certified unit or contract. Awarding units allocations based on a 100% capacity factor is unrealistic, since electricity-generating units rarely reach a 100% capacity factor. An 85% capacity factor is realistic for a new coal fired unit.

FOR/AGAINST -- The department agrees with the comment; no arguments are necessary.

RESPONSE 8: — The department will insert the term "capacity factor" in LAC 33:III.506.A.2.b.i and ii and 506.B.2.b.i and ii for clarity. In those sections, the department assumed that a capacity factor was already included in the term "control period gross electrical output". The allocations will be revised to correct this if incorrect information was previously used.

COMMENT 9: — Clarify the status of an independent power producer (IPP) that has contracted only a portion of its output to a utility unit. Is it the department's intent to have only part of the facility treated as a utility unit and the other part as a non-utility unit?

FOR/AGAINST -- No arguments necessary; comment does not suggest amendment or change.

RESPONSE 9: — CAIR allowances are allocated by unit. If an IPP with multiple units contracts with a municipality or an LPSC regulated facility to provide energy then the units would be treated separately. The unit providing energy to a utility would be allocated allowances as if it were a utility. If an IPP, with only one unit, provides energy to a municipality or an LPSC regulated facility then the unit's allocation would be based as if it is a utility.

COMMENT 10: — Clarify the precise meaning of the term *oil-fired* as defined in 40 CFR 97. Once a unit becomes an oil-fired unit, will it always be considered as such under LAC 33:III.506, or will the oil-fired

designation change each year?

FOR/AGAINST -- No arguments necessary; comment does not suggest amendment or change.

RESPONSE 10: — Most of CAIR is subject to EPA overview. The department is only granted the ability to allocate the NO<sub>x</sub> budget. The department will not be able to revise definitions. In 40 CFR Part 97, EPA defines *oil-fired* as meaning an electricity-generating unit (EGU) that combusts fuel oil for more than 15% of the annual heat input in a specified year. When more than 15% of the annual heat input is based upon fuel oil then for that year only will the fuel factor for fuel oil be used to modify heat input.

COMMENT 11: — According to the department's NO<sub>x</sub> allocation spreadsheet, Rodemacher Power Station Unit 1 became an oil-fired unit in 2005. The heat input fuel adjustment factor for both the annual and ozone season NO<sub>x</sub> allocations for this unit should be 0.6 in 2005.

FOR/AGAINST -- The department agrees with the comment; no arguments are necessary.

RESPONSE 11: — Upon receipt of appropriate documentation from the owner/operator of Rodemacher Power Station Unit 1 that indicates for 2005 the unit combusted at least 15% fuel oil, then the allocations will be revised accordingly.

COMMENT 12: — Is the department planning to secure allowances from EPA's supplemental pool and planning to award them to units that have installed controls designed to reduce NO<sub>x</sub> emissions in 2007-2008? If not, can a unit receive these supplemental allowances directly from the EPA?

FOR/AGAINST -- No arguments necessary since the provision in question is not part of this rulemaking.

RESPONSE 12: — The compliance supplemental pool will be managed by EPA. All requests for these allocations must be made to EPA.

COMMENT 13: §506.A.1 — The definitions of *Non-Utility Unit* and *Utility Unit* create the possibility that a unit could be defined as both types if it is not LPSC certified or municipally approved and has an “effective and active” long-term contract with a utility unit. Change the definition of *Non-Utility Unit* to read as follows:

*Non-Utility Unit*—an electricity-generating unit that has not been certified by the LPSC or approved by a municipal authority, and that does not have an effective and long-term contract with a utility unit. This includes, but is not limited to, units owned by independent power producers (IPPs) that are owners or operators of electricity-generating units that produce electricity for sale, and *cogeneration units* as defined in 40 CFR Part 97.

FOR: The Louisiana rule allocates the NO<sub>x</sub> budget differently depending upon the classification of the electricity-generating unit. Therefore, it is important for the classification terms to be clear.

AGAINST: The current definitions as proposed for classification of EGUs are adequate for the purposes of this rule.

RESPONSE 13: §506.A.1 — The department may further clarify definitions in a rulemaking at a later date. No comments were received that implied the department misused or inaccurately applied the definitions included in the proposed rule.

COMMENT 14: §506.A.1 — The definitions of *Non-Utility Unit* and *Utility Unit* are ambiguous. The commenter wants to ensure that the department intends to classify the five Exxon Mobil Louisiana Station 1 units as non-utility units. Change the definition of *Utility Unit* to the following:

*Utility Unit*—an electrical-generating unit regulated by the LPSC, or an electrical-generating unit owned and operated by a municipal authority, or an electrical-generating unit with a long-term contract to provide electricity to an LPSC regulated entity or to a municipal authority. Long-term contracts are those contracts of at least one year in duration, provided that the municipality or utility unit expects to receive power under the contract within one year of the contract execution.

FOR: The Louisiana rule allocates the NO<sub>x</sub> budget differently depending upon the classification of the electricity-generating unit. Therefore, it is important for the classification terms to be clear.

AGAINST: The current definitions as proposed for classification of EGUs are adequate for the purposes of this rule. Under the current definition, it is clear that the Exxon units are non-utility units because they have not been certified by the LPSC or approved by a municipal authority. However, the commenter's definition is inadequate because:

- 1) it refers to units regulated by the LPSC. The LPSC does not regulate units; it certifies units in the process of regulating rates;
- 2) it does not allow for a distinction between certified units that are in operation and certified units that are not yet in operation; and
- 3) it does not address the scenario of a municipality approving a unit although that municipality does not actually own and operate that unit.

RESPONSE 14: §506.A.1 — The department may further clarify definitions in a rulemaking at a later date. No comments were received that implied the department misused or inaccurately applied the definitions included in the proposed rule.

COMMENT 15: §506.A.1 — The status of municipal units is not clear under the proposed regulatory language. Make the following changes to definitions in §506.A.1.

1. Change the definition of *Certified Unit or Contract* to:

*Certified Unit*—an electricity-generating unit that has been certified by the LPSC or approved by a municipal authority but was not in operation on or before December 31, 2004.

2. Change the second sentence of the definition of *LPSC or Municipal Certification* to; “This process includes the certification or approval of long-term contracts that dedicate a portion of the electrical output of any electrical generating unit to a public utility regulated by the LPSC or to a municipality.”

3. Change the definition of *Non-Utility Unit* to;

*Non-Utility Unit*—any electricity-generating unit that is not a utility unit or a certified unit.

4. Change the definition of *Utility Unit* to;

*Utility Unit*—an electrical-generating unit regulated by the LPSC, or an electrical-generating unit owned and operated by a municipal authority,

or an electrical-generating unit with a long-term contract to provide electricity to an LPSC regulated entity or to a municipal authority. Long-term contracts are those contracts of at least one year in duration, provided that the municipality or utility unit expects to receive power under the contract within one year of the contract execution.

FOR: The Louisiana rule allocates the NO<sub>x</sub> budget differently depending upon the classification of the electricity-generating unit. Therefore, it is important for the terms to be unambiguous.

AGAINST: The proposed language adds additional ambiguity to the definition and does not further the goal of ensuring the units in question are classified properly.

RESPONSE 15: §506.A.1 — The department may further clarify definitions in a rulemaking at a later date. No comments were received that implied the department misused or inaccurately applied the definitions included in the proposed rule.

COMMENT 16: §506.A.1 — Clarify the definition of *utility unit*. The commenter is unsure of what is meant by the phrase “a non-utility unit that has an effective and active long-term service contract with a utility unit”. The commenter sells electricity only under rare circumstances, but when it is sold, it is sold to the town of Vinton. The commenter has no contract to provide a set amount of power to the town. Clarify that this arrangement does not subject the commenter to being classified as a “utility” under the proposed rule.

FOR: The Louisiana rule allocates the NO<sub>x</sub> budget differently depending upon the classification of the electricity-generating unit. Therefore, it is important for the classification terms to be clear.

AGAINST: The current definitions as proposed for classification of EGUs are adequate for the purposes of this rule.

RESPONSE 16: §506.A.1 — For an EGU to be even subject to CAIR it must combust fossil fuel, serve a generator with a nameplate capacity of more than 25 MWe, and supply more than one third of the unit's potential electric output capacity or 219,000 MWH, which ever is greater, to any utility power distribution for sale. CAIR applicability determinations are made by the Clean Air Markets Division (CAMD) of the EPA.

The department may further clarify definitions in a rulemaking at a later date. No comments were received that implied the department misused or inaccurately applied the definitions included in the proposed rule.

COMMENT 17: §506.A.1 — Clarify that NO<sub>x</sub> allowances will be allocated to certified units based on the adjusted heat input procedure in §506.A.2.c and B.2.c after operating data are available for the three calendar years immediately preceding the deadline for submission of the control period allocations. The commenter understands that it is the department's intent to do so. Ensure that the proposed rule reflects this intent by changing the definition of utility unit to:

*Utility Unit*—a certified unit that is in operation which has operating data available for the three calendar years immediately preceding the deadline for submission of the control period allocations, a previously-operational certified unit, or a non-utility unit that has an effective and active long-term contract with a utility unit ~~regulated utility or municipality~~. Long-term contracts are those contracts of at least one year in duration, provided that the municipality or utility unit expects to receive power under the contract within one year of the contract execution.

FOR: The Louisiana rule allocates the NO<sub>x</sub> budget differently depending upon the classification of the electricity-generating unit. Therefore, it is important for the classification terms to be clear.

AGAINST: The current definitions as proposed for classification of EGUs are adequate for the purposes of this rule.

RESPONSE 17: §506.A.1 — NO<sub>x</sub> allowances will be allocated to certified units based upon the adjusted heat input procedure in §506.A.2.c and B.2.c.  
The department may further clarify definitions in a rulemaking at a later date. No comments were received that implied the department misused or inaccurately applied the definitions included in the proposed rule.

COMMENT 18: §506.A.1, §506.A.2.c.i, and §506.B.2.c.i — Ensure that NO<sub>x</sub> allowances are allocated to non-coal, solid fuel-fired units on an equitable basis by making the following modifications:



1. Add this definition to §506.A.1.

Solid Fuel-Fired Unit—a unit combusting any amount of solid fuel, including but not limited to solid petroleum by-products (e.g., petroleum coke) and biomass derived fuels (e.g., wood, wood wastes, switch grass, or other similar fuels) alone or in combination with any amount of other fuel, and not otherwise qualifying as a coal-fired unit.

2. Change §506.A.2.c.i to:

i. The average of the unit's control period adjusted heat input for the three calendar years immediately preceding the deadline for submission of allocations to the administrator shall be used (except that the allocation submitted in 2007 shall use the average of the control period adjusted heat input for calendar years 2002, 2003, and 2004), with the control period adjusted heat input for each year calculated as follows.

(a). If the unit is coal-fired during a year, the unit's control period heat input for that year shall be multiplied by 100 percent.

(b). If a unit is solid fuel-fired during a year, the unit's control period heat input for that year shall be multiplied by 100 percent.

(~~bc~~). If the unit is oil-fired during a year (excluding oil-fired units that qualify as solid fuel-fired units), the unit's control period heat input for that year shall be multiplied by 60 percent.

(~~ed~~). If the unit is not subject to Subclause A.2.c.i.(a), ~~or~~ (b), or (c) of this Section, the unit's control period heat input for the year shall be multiplied by 40 percent.

3. Make similar changes to §506.B.2.c.i.

FOR/AGAINST -- The department agrees with the comment; no arguments are necessary.

RESPONSE 18: §506.A.1, §506.A.2.c.i, and §506.B.2.c.i — The issue of burning biomass to produce electricity is already under review by EPA/CAMD. To be consistent with the CAIR federal implementation plan (FIP), the department will revisit the issue of burning biomass after EPA has reached a decision.

The heat input adjustment factor for petcoke is 0.6 in the FIP. Adjusting it to 1.0 will be considered in a future rulemaking.

COMMENT 19: §506.A.2.a — Clarify how the terms "three years", "two years",

and “one year” are defined. New and fuel efficient units would be unduly penalized if partial year(s) of emissions data are used. Annual allocations should be based on a full year of data. Change §506.A.2.a so that it is clear that only data for a full year of operation will be used.

FOR: Allocations should only be made considering a full year of operation.

AGAINST: Most if not all units will not operate 100% per year. At some time during the year a unit will be down, if only briefly. Therefore, allocations based upon only full years of operation are infeasible.

RESPONSE 19: §506.A.2.a —The department does not interpret Subparagraph 506 A.2.a to imply that data must have been available for the entire calendar year. The rule refers to calendar year(s) but does not specify that there must be data for an entire calendar year, only that there be data for a calendar year(s). As stated in the against argument above, few units have data for an “entire” year; units or facilities are often down for some time during a year which implies that all years are potentially “partial” years of operation.

The EPA methodology also uses data from partial years and partial ozone seasons to determine NO<sub>x</sub> allowances under the FIP. This is somewhat mitigated because EPA uses the heat input data from the three highest years of the previous five years.

COMMENT 20: §506.A.2.b and §506.B.2.b — The language in these two Subparagraphs is not inclusive of units that came on-line during 2005 or 2006 because the units do not begin operation during a control period as defined by CAIR. Change the first sentence of §506.A.2.b to;

“A certified unit subject to CAIR shall be allocated NO<sub>x</sub> allowances for the first control period in which the unit will operate ~~begin operation~~, and for each successive control period, for which no NO<sub>x</sub> allowances have been previously allocated until operating data are available for the three calendar years immediately preceding the deadline for submission of the control period allocations.”

Change the first sentence of §506.B.2.b to:

“A certified unit subject to CAIR shall be allocated NO<sub>x</sub> allowances for

the ozone season of the first control period in which the unit will operate ~~begin operation~~, and for each successive ozone season in a control period, for which no NO<sub>x</sub> allowances have been previously allocated until ozone season operating data are available for the three calendar years immediately preceding the deadline for submission of the control period allocations.”

FOR: The rule language may exclude a few units.

AGAINST: The changes in the language are not needed to ensure that units which came on-line during 2005 or 2006 are included in NO<sub>x</sub> allocations.

RESPONSE 20: §506.A.2.b and §506.B.2.b —The department believes the rule language in §506.A.2.b and §506.B.2.b is adequate.

COMMENT 21: §506.A.2.b and §506.B.2.b — LDEQ should revise its proposed rule to indicate that a certified unit's allocation should be prorated for the calendar year in which it will commence operation such that the allocation is provided only for the amount of generation output during the first calendar year of operations. If the facility will not commence operation as scheduled, adjust its allocation based on the date it will commence operation. Without such a change, the Rodemacher No. 3 unit will receive a substantial windfall at the expense of all other utility units. Change §506.A.2.b to:

b. Certified Units. A certified unit subject to CAIR shall be allocated NO<sub>x</sub> allowances for the control period, or portion of the control period, in which the unit is projected to operate ~~will begin operation~~, and for each successive control period, for which no NO<sub>x</sub> allowances have been previously allocated until operating data are available for the three calendar years immediately preceding the deadline for submission of the control period allocations. Until a unit has three calendar years of operating data immediately preceding the allocation submittal deadline, the converted heat input as calculated in Clause A.2.b.i or ii of this Section shall be used to allocate allowances for the unit. If the unit is projected to commence operation after the beginning of the calendar year, the allocation for the initial year of operation shall be prorated such that an allocation is provided only for the portion of the control period that the unit will be operating. The certified unit shall be treated as a utility unit for the purposes of this allocation, except that converted heat input shall be used instead of adjusted heat input. Converted heat input is calculated as follows.

Change §506.B.2.b to:

b. Certified Units. A certified unit subject to CAIR shall be allocated NO<sub>x</sub> allowances for the first ozone season of the control period in which the unit is projected to operate~~will begin operation~~, and for each successive ozone season in a control period, for which no NO<sub>x</sub> allowances have been previously allocated until ozone season operating data are available for the three calendar years immediately preceding the deadline for submission of the control period allocations. Until a unit has three years of ozone season operating data preceding the allocation submittal deadline, the converted heat input as calculated in Clause B.2.b.i or ii of this Section shall be used to allocate ozone season allowances for the unit. If the unit is projected to commence operation after the beginning of the ozone season within a calendar year, the allocation for the initial year of operation shall be prorated such that an allocation is provided only for the portion of the ozone season in which the unit will be operating. The certified unit shall be treated as a utility unit for purposes of this allocation, except that ozone season converted heat input shall be used instead of ozone season adjusted heat input. Ozone season converted heat input is calculated as follows.

FOR: Allocations should only be made considering a full year of operation.

AGAINST: Most if not all units will not operate 100% per year. At some time during the year a unit will be down, if only briefly. Therefore, allocations based upon only a full year of operation are infeasible.

RESPONSE 21: §506.A.2.a —The department does not interpret Subparagraph 506 A.2.a to imply that data must have been available for the entire calendar year. The rule refers to calendar year(s) but does not specify that there must be data for an entire calendar year, only that there be data for a calendar year(s). As stated in the against argument above, few units have data for an “entire” year. Units or facilities are often down for some time during a year which implies that all years are potentially “partial” years of operation.

The EPA methodology also uses data from partial years and partial ozone seasons to determine NO<sub>x</sub> allowances under the FIP. This is somewhat mitigated because EPA uses the heat input data from the three highest years of the previous five years .

COMMENT 22: §506.A.2.b and §506.B.2.b — Award future allocations to certified units only after the unit has been issued a Title V permit authorizing construction and before May 1 of the calendar year in which the unit is projected to commence operations. Only make the allocation for the number of hours remaining in the control period starting with the first day in the control period on which the unit operated or is projected to operate.

FOR: It is possible that future allocations may be awarded to new units which are not operating. New units could experience a windfall profit on unneeded allocations.

AGAINST: A Title V permit should not be a requisite for allocations. The department's timing scheme, which is based upon EPA's FIP requirements, requires allocations to be submitted four years in advance. On the other hand, a Title V permit application, requesting authorization to construct, does not need to be submitted until approximately 6 months prior to the beginning of construction. The length of the construction authorization is 1.5 to two years. If construction has not begun in the 1.5 to two year time frame, a renewal must be requested. For example, the owners of a hypothetical facility estimate that a new facility will be operating in December, 2015. Allocations for this unit must be made by October 31, 2011. If a Title V permit would be required, then the Title V permit application would have to be submitted prior to October 31, 2011 for allocations to be awarded. The length of the authorization would expire in 1.5 to two years. Should the owner cancel the construction and not renew the Title V permit, he may do so.

RESPONSE 22: §506.A.2.b and §506.B.2.b —The department will consider, at a later date, rulemaking to address reallocation of NOx allocations for certified units that are awarded but then not used because the unit commences operation later than planned or does not commence operation at all.

COMMENT 23: §506.B.2.a — Ozone season allocations should not be based on data from partial seasons. New and fuel-efficient units would be unduly penalized if partial ozone season(s) of emissions data were used. Change §506.B.2.a so that it is clear that only data for a full ozone season of operation will be used.

FOR: Allocations should only be made based on data from a full ozone

season of operation.

AGAINST: Most if not all units will not operate 100% during ozone season. At some time during the year a unit will be down, if only briefly. Therefore, allocations based upon only a full year of operation are infeasible.

RESPONSE 23: §506.B.2.a —The department does not interpret Section 506 B.2.a to imply that data must have been available for all entire ozone seasons and it does not specify that there must be data for an entire ozone season, only that there be data for an ozone season. As stated in the against argument above, few units have data for an “entire” ozone season; units or facilities are often down for some time which implies that all years are potentially “partial” periods of operation.

The EPA methodology also uses data from partial years and partial ozone seasons to determine NO<sub>x</sub> allowances under the FIP. This is somewhat mitigated because EPA uses the heat input data from the three highest years of the previous five years .

COMMENT 24: §506.B.2.b.i and ii — These two clauses should state “for the specified ozone season”, not “for a specified calendar year”.

FOR/AGAINST -- The department agrees with the comment; no arguments are necessary.

RESPONSE 24: §506.B.2.b.i and ii — §506.B.2.b.i and ii will be changed to read:

i. For a coal-fired unit, the hourly heat input for a specified calendar year shall equal the control period gross electrical output, including the capacity factor, of the generator(s) served by the unit multiplied by 7,900 BTU/KWh and divided by 1,000,000 BTU/MMBTU and multiplied by 5/12. The control period gross electrical output as stated in the documentation presented for the LPSC or municipal certification shall be used in this calculation. If a generator is served by two or more units, then the gross electrical output of the generator shall be attributed to each unit in proportion to the unit’s share of the total control period heat input of all the units for the years specified ozone season.

ii. For a non-coal-fired unit, the hourly heat input for a specified calendar year shall equal the control period gross electrical output, including the capacity factor, of the generator(s) served by the unit

multiplied by 6,675 BTU/KWh and divided by 1,000,000 BTU/MMBTU and multiplied by 5/12. The control period gross electrical output as stated in the documentation presented for the LPSC or municipal certification shall be used in this calculation. If a generator is served by two or more units, then the gross electrical output of the generator shall be attributed to each unit in proportion to the unit's share of the total control period heat input of all the units for the years specified ozone season.

COMMENT 25: SIP — Amend Sections 1.1 and 2.2 of the proposed SIP revision to state that the abbreviated SIP option is provided for at 40 CFR 51.123(p) for the NO<sub>x</sub> annual program and at 40 CFR 51.123(ee) for the NO<sub>x</sub> ozone season program.

FOR/AGAINST -- The department agrees with the comment; no arguments are necessary.

RESPONSE 25: SIP — The department incorporated these suggested changes.

**Comment Summary Response & Concise Statement Key – AQ285**  
**Amendments to the Air Regulations**  
**CAIR NO<sub>x</sub> Annual and Ozone Season Trading Programs**  
**LAC 33:III.506**

<u>COMMENT #</u>	<u>SUGGESTED BY</u>
4, 5, 6	Brian Comeaux / PPG Industries, Inc.
13, 25	Jeff Robinson / Environmental Protection Agency
1, 6, 14	Maureen Harbourt / Kean, Miller Law Firm for Exxon Mobil
6, 7, 8, 15, 20, 21, 22	Maureen Harbourt / Kean, Miller Law Firm for Lafayette Utilities System
2, 6, 16	Maureen Harbourt / Kean, Miller Law Firm for Nelson Industrial Steam Co.
9, 10, 11, 12, 17, 18, 24	Brent Croom / CLECO Power
3, 19, 23	Victor Pisani, Joseph Marone / Occidental Chemical Corp.